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County Borough of West Hartlepool.

ANNUAL REPORT

UPON THE

Health of West Hartlepool,

For the Year 1931,

BY

JOHN W. McKEGGIE,
M.B., Ch.B., D.P.H.,
MEDICAL OFFICER OF HEALTH,
TUBERCULOSIS OFFICER,
SCHOOL MEDICAL OFFICER.

WEST HARTLEPOOL:
E. Hudson, Printer and Commercial Stationer, 75, Church Street.
1932.

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INDEX.

	PAGE
Abattoirs	59, 60
Ambulance Facilities	13, 14
Ante-natal Centre	14. 20, 21
Ante-natal Work	21
Artificial Sunlight Treatment	20
Ashpits Abolished	35
Bacteriological and Chemical Work	10, 44
Births	5, 45, 46
Birth Rates	5, 45, 46, 69
Blindness, Prevention of	45
Cancer	54, 55
Chest Diseases	51, 52
Children's Homes	13
Clinics and Treatment Centres	14
Closet Accommodation	35
Common Lodging Houses	39
Deaths	47-57
,, Causes and ages	49, 50
,, Wards	47, 48, 53
,, Transferable	53
Death Rates	53, 69
Disinfection	38, 39
Drainage and Sewerage	35
Factories and Workshops	70
Food Surrendered and Destroyed	61
Food and Drugs Acts—Samples	61, 62
Grantully Maternity Home	12, 16, 17
Health Committee	6
Health Visitors, Work of	19
Home Nursing	8
Hospital Accommodation	11-13, 17
Hospital Treatment	77
Hospitals, Provided or subsidised	11
Housing	40-43
Howbeck Infirmary	8, 13, 17
Infant Welfare Centres	14, 15, 16
Infantile Mortality Rates	55
Infant Mortality—Wards	56
,, ,, Ages	57
Infectious Diseases, Notification of	63, 64
,, ,, Prevalence of	44-45
Insurance against Medical Fees	18, 20
Institutional Provision for Unmarried Mothers, etc.	13
Laboratory Work	10
Legislation in Force	11
Local Government Act	34
Maternal Mortality	12
Maternity Hospitals	12
Marriages	56
Meat	59, 60
Medical Assistance in Case of Confinement	18
Mental Defectives	13
Midwives	9, 58
Milk Supply and Adulteration	61, 62
Milk and Dairies (Consolidation) Act, 1915	44
Nuisances	38
Nursing Homes	12
Nursing Arrangements, Summary of	8
Offensive Trades	39
Ophthalmia Neonatorum	65
Overcrowding	41
Population	5, 46
Poor Law Relief	9, 10
Premises Controlled by Bye-laws	39
Rag Flock Act, 1911 & 28	40
Rateable Value	5
Sanitary Circumstances of the area	34-43
Sanitary Inspection of the District	37
Scavenging	36
Schools	40
School Clinics	21
Smoke Abatement	40
Social Conditions	5
Staff, Public Health	6, 7, 8
Tuberculosis	22-29, 65-68
,, Cases on Register	67
,, Dispensary Treatment	23-29
,, Hospital Treatment	24, 25, 29
,, U.V.R. Treatment	29
,, Notified Cases	66, 67
,, New Cases and Mortality	67
,, Sanatorium Treatment	24, 25, 26, 29
Tuberculosis Order, 1925	44
Vaccination	45
Venereal Diseases	30, 33
Vital Statistics, Extracts from	5, 6, 45-57, 69
Water Supply	34, 35

REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE YEAR 1931.

PUBLIC HEALTH DEPARTMENT,
MUNICIPAL BUILDINGS,
WEST HARTLEPOOL,
MAY, 1932.

To The Mayor, Aldermen and Councillors of the County Borough of West Hartlepool.

I have the honour to submit my second Annual Report on the health of the County Borough of West Hartlepool.

The National depression, with stagnation of trade, has affected very markedly the North Eastern area, and this coupled with the rather depressing summer of 1931, has failed to provide us with satisfactory statistics, and makes rather gloomy reading in a health report.

Statistics in relation to deaths, births, and incidence of disease show an increase over last year, but considering the above adverse conditions, are not to be regarded as bad, but rather to be taken that in spite of everything being against us, we are maintaining a pretty good standard of healthy living.

Typhoid fever, which worried the department last year and in the beginning of this, seems to have given us a rest for the time being. Whether this is due to our intensive action or to some other cause, remains for the future to reveal; but certain it is that some known and some suspected sources have been removed, and we can feel at any rate that our outlook is a little more secure than it was some twelve months ago.

Influenza in the earlier part of the year took fairly heavy toll, and its influence is felt in the increased infantile mortality rate, and an increase of more than 20% in the number of deaths from chest diseases.

The Birth Rate, although high as compared with the rest of England and Wales, is low for the area, but unfortunately it is highest in the poorer wards. No longer do we read with pride of large families, but rather with sorrow for the children, for unfortunately these cases are usually associated with applications for food or help in some shape or form, and one wishes that the abstinence of the better classes could in some way be exchanged for the fecundity of their poorer brethren.

There has been an increase of cases of tuberculosis, but generally speaking the incidence of infectious disease has been low. Whooping cough and measles, with their resulting complications, have again taken away a large number of children, and I make no apologies for stressing the fact that these diseases are not to be counted lightly but are very dangerous indeed, especially in young infants and children under five years of age.

I wish to thank all who have helped in the preparation of this Report, and the Council and Members of the Health Committee in particular, for the interest they have shown and help they have given me during the year.

I am,

Yours faithfully,

J. W. McKEGGIE.

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	2,958
Population (Census 1931)	68,134
Population (Registrar-General's Estimate 1931)	68,370

(The calculations in this Report are based on the latter figure).

Number of Inhabited Houses (end of 1931—according to Rate Books)	15,600
Rateable Value (1st April, 1931)...	£315,924
Sum represented by a penny rate	£1,194

Birth Rate	20.7
Death Rate	14.2
Infantile Mortality Rate	96

SOCIAL CONDITIONS.

No radical changes have occurred in the social conditions of the town. The industries remain the same, and with a very few exceptions have again experienced a very bad year. Unemployment is as bad as ever, and with the lowering of wages and social conditions of the poorer classes, health work becomes increasingly difficult, and propaganda more essential.

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

		Total	Male	Female	
Live Births	Legitimate	1,353	701	652	Birth rate per 1,000 of the estimated resident population, 20.7
	Illegitimate	69	36	33	

Stillbirths—49 Rate per 1,000 total births—29

Deaths—973 Death rate per 1,000 of the estimated resident population—14.2

Deaths from diseases and accidents of pregnancy and childbirth—

From sepsis	Nil
From other causes	3

Death rate of Infants under one year of age—

Legitimate—96. Illegitimate—Nil. Total—96.

Deaths from Measles (all ages)	25
Deaths from Whooping Cough (all ages)	19
Diarrhoea (under 2 years of age)	8

For details of Vital Statistics vide following appendices:—

Appendix	1	Births.
,,	2	Natural Increase of Population.
,,	6	Deaths.
,,	3	Deaths in Wards.
,,	4	Deaths—Causes and Ages.
,,	7	Transferable Deaths.
,,	5	Deaths—Weekly Chest Cases.
,,	8	Cancer.
,,	9	Cancer—Parts of Body.
,,	10	Infantile Mortality Rates.
,,	11	Infantile Mortality in Wards.
,,	13	Infantile Mortality—Causes and Ages.
,,	12	Marriages—Number and rate.

HEALTH COMMITTEE.
1930—1931.

Chairman:—

ALDERMAN THOMAS CLARKSON, J.P.

Vice-Chairman:—

COUNCILLOR E. BLOOM

THE MAYOR (Ex Officio)
ALDERMAN G. E. HOPE
ALDERMAN A. HYDE
ALDERMAN H. MASON
COUNCILLOR H. BAILEY
COUNCILLOR J. W. CAMERON
COUNCILLOR J. H. FARMER
COUNCILLOR T. GREEN
COUNCILLOR H. L. HOGG
COUNCILLOR J. G. MORGAN
COUNCILLOR J. W. J. RICHARDSON
COUNCILLOR H. H. RYAN
COUNCILLOR MRS. WILSON

PUBLIC HEALTH OFFICERS OF THE AUTHORITY.
PUBLIC HEALTH STAFF.

Medical Officer of Health, School Medical Officer, etc.—
† J. W. McKEGGIE, M.B., Ch.B., D.P.H.

Deputy Medical Officer of Health—
† J. A. DUNLOP, M.B., Ch.B., D.P.H.

Assistant Medical Officer of Health—
† JANE A. D. MACLEAN, M.D., D.P.H., B.A.O.

Medical Inspector of School Children (part time)—
†*1 E. SEATON COCKELL, M.R.C.S., L.S.A.

Consultant Surgeon, Grantully Maternity Home—
† A. V. MACGREGOR, M.D., F.R.C.S.

Ophthalmic Surgeon (part time)—
† J. R. FOSTER, M.D., F.R.C.S.

School Dentist (part time)—
† E. W. MANNERS, L.D.S., (Dunelm).

Veterinary Surgeon (part time)—
H. HICKS, M.R.C.V.S.

Sanitary Inspectors and Inspectors under Food and Drugs Acts—
J. T. DURKIN, C.R.S.I. H. V. ROBINSON, C.R.S.I.

Health Visitors—
† MISS E. WILKINSON (Gen. Trained, Certified Midwife, H.V. Certificate).
† MISS M. WILKINSON do.
† MISS A. S. BAGSHAW do.
† MISS E. PEACOCK do.
†*2 MRS. B. E. BELL do.
† MISS A. G. TODD (Gen. and Fever Trained, Certified Midwife, H.V. Certificate).

Matron, Grantully Maternity Home—
MISS J. WIGHT (Gen. Trained, Certified Midwife).

School Nurses—
† MISS E. SMITH (Gen. Trained, Certified Midwife, H. V. Certificate).
† MISS H. DAVIES (Gen. Trained, Certified Midwife).

Clerks—
*3 D. J. WILLIAMS.
*4 A. TRENHOLM.
MISS H. A. RIGBY.
MISS M. PROUD.
*5 MISS L. JARROLD.
T. HUGHES.

Superintendent, Public Abattoir—
WM. WATSON.

Public Analyst (part time)—
CYRIL J. H. STOCK, B.Sc., F.I.C.

Venereal Diseases Attendant—
B.R. PEARSON.

Employed for Disinfecting, etc.—
J. ALLEN T. HODGSON.

*1 Resigned, 31st December, 1931.
*2 Resigned, 7th September, 1931.
*3 Resigned, 13th June 1931.
*4 Appointed, 15th June, 1931.
*5 Appointed, 4th February, 1931.

† Contributions to salaries under Public Health Acts or by Exchequeur Grants.

HOWBECK INFIRMARY.

Senior Medical Officer—
DR. H. M. MACGILL, M.D., M.B., C.M.

Surgeon—
DR. ALAN C. AINSLEY, F.R.C.S., L.R.C.P.

Resident Medical Officer—
DR. LILLIE S. DICKSON, M.B., C.H.B., (Edin).

DISTRICT MEDICAL OFFICERS UNDER THE POOR LAW ACTS—

DR. R. W. H. HILLIS, L.R.C.P.I. & L.M., L.R.C.S.I. & L.M.
DR. A. RENNIE MUIR, M.R.C.S., L.R.C.P.

PUBLIC VACINATORS—
DR. R. W. H. HILLIS, L.R.C.P.I. & L.M., L.R.C.S.I. & L.M.
DR. A. RENNIE, MUIR, M.R.C.S., L.R.C.P.

NURSING IN THE HOME.

The Corporation continues to make a contribution to the District Nursing Association, who employ two qualified Nurses.

The Health Visitors do a certain amount of home visiting in cases of pneumonia, ophthalmia neonatorum and puerperal fever.

MIDWIVES.

There are nineteen midwives practising in the area. Their work was regarded as satisfactory, and no complaints were received in this department. Inspection of their records, equipment etc., is carried out by one of the Assistant Medical Officers.

Appendix 14 gives the names of the midwives on the Roll for 1931.

POOR LAW RELIEF.

IN-DOOR RELIEF.

1. Number of persons admitted to the Workhouse during 1931—

	1929	1930	1931
For in-door relief ...	104	107	47
For medical treatment	736	964	1023

2. Number of persons in the Workhouse on 1st January, (excluding colony patients)—

1929	1930	1931	1932
484	489	328	376

OUT-RELIEF.

3. Number of new cases applying for out-door relief only—

	1929	1930	1931
Men	1467	927	999
Women	1553	1038	1015
Children	2623	1517	1498
	5643	3482	3512

4. Number of persons receiving out-door relief on 1st January—

	1929	1930	1931	1932
Men	864	611	405	531
Women ...	1004	868	868	692
Children ...	1292	949	585	639
	3160	2428	1650	1862

5. Number of new cases applying for out-door medical relief only—

	1929	1930	1931
Men	34	429	69
Women	210	253	405
Children	319	360	874
	563	1042	1348

6. Number of persons receiving out-door medical relief on 1st January, who are also in receipt of out-door relief as shown in Para. 4 above :—

	1929	1930	1931
Men	15	11	60
Women	15	16	55
Children	21	11	22
	51	38	137

LABORATORY FACILITIES.

The laboratory facilities remain as in former years. Great improvement is needed, and it is hoped that this will be available when the new Hospital is opened.

LABORATORY WORK, 1931.

SPECIMENS EXAMINED.

		Dispensary.	For Medical Practitioners.	Total.
Sputum	T.B. + 60 T.B. — 321	95	290	385
Swabs ...	Diphtheria + 34 Diphtheria — 269			303
Gonococcus		210	33	243
Urines		—	—	—
Hair for Ringworm		—	1	1
Other examination		—	1	1
			Total	933

LEGISLATION IN FORCE.

LIST OF ADOPTIVE ACTS, PUBLIC GENERAL AND ADOPTIVE ACTS, BYE-LAWS AND LOCAL REGULATIONS RELATING TO PUBLIC HEALTH.

LOCAL ACTS:—

West Hartlepool Extension and Improvement Act, 1870.
West Hartlepool Corporation Act, 1931.

BYE-LAWS AND REGULATIONS:—

Bye-laws regulating:—Slaughter Houses, 1896 and 1920; Common Lodging Houses, 1888; Means of Escape in case of Fire (Factory and Workshops) 1914; Public Market, 1892; Good Rule and Government against Spitting, 1908; Sanitary Conveniences, 1909; Tents, Vans and Sheds, 1921; Houses-let-in-Lodgings, 1922; Offensive Trades, 1917; Fouling of Footways by Dogs, 1928; Nursing Homes, 1928; Maternity Homes, 1927; Regulations as to New Streets and Buildings, 1899.

ADOPTIVE ACTS:—

Infectious Diseases (Notification) Act, 1889; Infectious Disease (Prevention) Act, 1890; Public Health Acts Amendment Act, 1890; Notification of Births Act, 1907 (adopted 7/1/13); Public Health Acts Amendment Act, 1907:—

Part II, sections 16, 18, 19, 20, 22, 25, 26, 27, & 33;

Part III, sections 34, 35, 36, 37, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50 & 51;

Part IV, sections 52, 53, 54, 56, 57, 58, 59, 60, 61, 62, 63, 65, 66, & 68;

Parts V and VI;

Part X, section 95; (came into force on 8th February, 1909);

Section 86, came into operation 15th June, 1927.

HOSPITALS PROVIDED OR SUBSIDISED BY THE LOCAL AUTHORITY.

Hospital accommodation remains the same as last year, with the exception that a new children's ward was opened at Cameron Hospital. This gives additional accommodation for 20 children.

The greatest difficulty has been to find accommodation for mental cases, especially the troublesome ones, and with a view to reducing overcrowding at Sedgefield and York Mental Hospitals, negotiations are being made with the Northumberland County Council.

MATERNITY AND NURSING HOMES.

The Corporation maintain a Maternity Home at Grantully, Westbourne Road.

Accommodation is provided for 16 cases, with 2 additional beds in an Isolation Block.

The Staff consists of The Matron, 5 Nurses, Laundress, Cook, Housemaid, Kitchenmaid and Wardmaid.

During the year 231 births took place in the Home. This, I believe, is the record figure since it was opened some ten years ago.

This large number is the best testimonial the home can have, and speaks volumes for the attention and services rendered there.

The Chairman of the Maternity and Child Welfare Committee gave his annual Garden Party to the mothers who have been in the Home during the year. 180 attended with their babies. Tea was provided, and the guests were entertained to music by Mr. Bowlt's Orchestra. Blessed with good weather, the meeting was most enjoyable, and thanks are tendered on the Chairman's behalf to all who helped to make the afternoon such a success.

MATERNAL MORTALITY.

Special enquiries are made in all cases of puerperal fever and puerperal pyrexia, and all cases of mothers dying in consequence of childbirth are fully investigated by a Medical Officer of this Department.

The number of mothers who died in consequence of childbirth during the year was 3

Causes of death :—

(1) Morbus Cordis. Miscarriage.
(2) Puerperal Eclampsia.
(3) Double pneumonia, Caesarian Section, Eclampsia.

INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS, ILLEGITIMATE CHILDREN AND HOMELESS CHILDREN.

During the year the Public Assistance Committee disposed of one of their Homes for children in Park Road. They still maintain the Home in Blakelock Road, and accommodation is provided for 16 boys and 16 girls.

There were 30 cases in residence during the year, of which 2 were cases chargeable to outside authorities.

No provision is made for unmarried mothers and illegitimate infants.

INSTITUTIONAL PROVISION FOR THE CARE OF MENTAL DEFECTIVES.

The Public Assistance Committee maintain at Howbeck House a Colony for Mental Defectives, giving accommodation for 232 cases. The Board of Control issue licences from time to time as to its suitability for the particular types of cases.

During the year the following cases were treated:—

	High Grade		Medium Grade		Low Grade		Total	
	M.	F.	M.	F.	M.	F.	M.	F.
Adults	1	10	26	29	18	62	45	101
Children	—	—	16	2	28	22	44	24

Of these, 199 cases were treated on behalf of outside authorities.

AMBULANCE FACILITIES.

An ambulance was presented to the Corporation by an anonymous donor It is kept at the Fire Station, and is available night and day for all removals to hospitals in the Borough.

The following are the rules and charges governing the use of the ambulance:—

The ambulance can be hired for journeys inside the Borough, also journeys from the Borough to Howbeck Infirmary or Hartlepool Hospital or vice versa at a charge of 3s/6d. per journey.

No charge will be made for the use of the ambulance in cases of accidents or sudden illness which occur in the streets of the Borough.

The ambulance will attend accidents which occur within a reasonable distance outside the Borough on payment of a charge of 5s/- plus 1s/6d. per mile to and from the Ambulance Headquarters.

The ambulance will attend accidents which occur at works situate partly within and partly outside the Borough, in respect of which works rates are paid to the West Hartlepool Corporation, at the usual Borough charge, namely, 3s/6d. per journey.

For infectious disease, the Council make private arrangements for removal.

CLINICS AND TREATMENT CENTRES.

These remain as in former years.

The following tables show the nature of the work done at the clinics, and the conditions found:—

ANTE-NATAL AND INFANT WELFARE CENTRES.

Centre	Total No. of children att'nding Centre	Total attend-ances	No of children who made first attend-ances	No. of visits made by these children	No. of children who attended previous years	No. of visits made by these children	No. of new att'nders under one year of age	No. of new att nders between 1—5 years	Ante-natal atten ders
Grantully	...	227	...	...	...	...	...	...	139
Dale Street ...	439	4034	272	1933	167	2101	204	68	...
Oxford Street	526	5652	345	3039	181	2613	252	93	...
Seaton Carew	79	1242	46	552	33	690	30	16	...
Whitby Street	487	4433	339	2348	148	2085	241	98	...
Totals ...	1531	15488	1002	7872	529	7489	727	275	139

DEFECTS FOUND IN INFANTS ATTENDING AT CENTRES.

DISEASE	CENTRE				Total
	Dale St.	Oxford St.	Seaton	Whitby St.	
Impetigo	6	10	—	12	28
Debility	2	7	—	4	13
Rickets	8	5	2	13	28
Hernia	2	19	3	22	46
Bronchitis	3	2	—	4	9
Diarrhœa, sickness, due to improper feeding, &c.	1	—	1	2	4
Skin disease	7	17	—	6	30
Phimosis	13	4	3	12	32
Improper feeding ...	—	—	—	—	—
Over feeding	—	1	—	—	1
Constipation	7	7	3	2	19
Tonsils and Adenoids ...	2	2	—	1	5
Dental treatment required ...	8	5	—	7	20
Whooping Cough ...	—	2	—	—	2
Ophthalmia Neonatorum ...	2	2	—	1	5
Otorrhœa	1	3	1	3	8
Blepharitis	—	1	—	—	1
Other Defects	11	13	2	18	44
Totals ...	73	100	15	107	295

INFANT WELFARE CENTRES.

METHODS OF FEEDING (First Attenders).

Method.	All Centres		Total
	Regular hours	Irregular hours	
Natural (breast)	382	186	470
Artificial (various)	151	35	186
Combined (natural and artificial) ...	46	8	54
Children over 1 year—various diets ...	255	34	289
Breast feeding over 1 year of age ...	—	3	3
Totals	834	168	1002

During the year the sales of dried milk or allied substances at the Centres amounted to £394/15/3½d. The quantity of these commodities given free cost £145/9/11½d.

INFANT WELFARE CENTRES.

The numbers attending these Centres are steadily increasing, indeed at one centre, namely Oxford Street, they became so overwhelming that it was decided to open a second session.

It is noticed that up to the age of one year children are, on the whole, brought very regularly, but after that age, unless there be another baby, the child often ceases to attend, or is brought on account of some obvious defect. The child is "all right" so there is no need to attend the Centre. Many mothers seem to find it hard to realise that prevention is better than cure in the first few years of life.

Dried foods are sold at cost price, and in certain cases it is sold at half this price, though this practice has been greatly cut down. No food is given free except in one or two destitute cases, which are medically in need of it.

One useful feature of the Centres is the attention which can be given to toddlers who have carious teeth. There is an arrangement whereby such children can be referred by the Clinic Medical Officer to the School Dentist. A similar arrangement holds good with regard to the School Ophthalmic Surgeon, who attends to eye, ear, nose and throat troubles in the pre-schoolchild. Thus every effort is made to provide the schools with children who are sound in body.

Every endeavour is made to brighten the afternoon for the mothers. Advice on all matters of infant welfare is freely given, and a cup of tea and a biscuit is supplied to each woman. Up to now we have been indebted to voluntary helpers from the women's branch of Toc. H. for the making and distribution of tea.

GRANTULLY MATERNITY HOME.

The table showing the work done at Grantully Maternity Home follows. As already stated, this proved a record year, and we are rapidly approaching the time when, if we have more work to do, the question of enlarging the premises will have to be considered.

This is a branch of health work which is of the first importance, and here the mothers are given a chance of having their children in more or less ideal surroundings, with medical and nursing aid at hand, and furthermore an opportunity of rest until recovery is complete, is assured before taking up the routine household duties, plus the care of a baby.

One mother died in the home as a result of confinement, and medical aid notes were sent in 41.7% of the midwives cases.

GRANTULLY MATERNITY HOME.

Report for the year ended 31st December, 1931.

Number of beds ... 16. Isolation block ...	2
Number of case admitted during the year	231
Average duration of stay	15 days
Number of cases delivered by :—	
(a) Midwives	108
(b) Doctors	123
Number of cases in which medical assistance was sought by the midwife	40
Number of cases notified as	
(a) Puerperal Fever	—
(b) Puerperal Pyrexia	1
Number of cases of Pemphigus Neonatorum	—
Number of infants not entirely breast fed while in the Institution	4
Number of cases notified as Ophthalmia Neonatorum, with result of treatment (Eye clear)	1
Number of Maternal Deaths	1
Cause of death—Double pneumonia, Caesarian Section, Eclampsia	
Number of foetal deaths:	
Stillborn	8
Within 10 days of birth	2
(1) Strangulated bowel.	
(2) Prematurity.	

No new applications were received for Nursing Homes during the year. The Cameron Hospital remains exempt from registration under the Nursing Homes Registration Act, 1927.

HOWBECK INFIRMARY.

Howbeck Infirmary has a small maternity ward of five beds, and during the year 41 confinements took place. Two mothers died as a result of confinement.

Five of the babies were stillborn, and five died within ten days of birth. One case of puerperal fever occurred.

MIDWIVES ACTS, 1902-26.

CONDITIONS FOR WHICH DOCTORS WERE SUMMONED IN AN EMERGENCY BY MIDWIVES.

The figures in brackets indicate insured cases.

PREGNANCY—

Albumen in Urine ...	9	(8)
Ante-natal Examination	1	(1)
Ante-partum hæmorrhage	6	(2)
Malformation	4	(1)
Varicose Veins ...	1	(1)
Fits	2	(1)
Threatened Abortion ...	1	(1)
Persistent Vomiting ...	1	(1)
	25	(16)

PUERPERIUM—

High Temperature ...	11	(7)
Inflamed Breast ...	1	(1)
Illness of Mother ...	17	(4)
Vaginal Discharge ...	1	(1)
Post-partum hæmorrhage	11	(4)
Albumen in Urine ...	1	(1)
Retained Placenta ...	2	(2)
	44	(20)

LABOUR—

Ruptured Perineum ...	64	(53)
Delayed Labour ...	42	(37)
Prolonged Labour ...	50	(45)
Placenta Pævia ...	3	(1)
Hemorrhage ...	2	(2)
Adherent Placenta ...	3	(3)
Malpresentation ...	8	(6)
	172	(147)

INFANTS—

Illness of Baby ...	26	(14)
Rash	5	(4)
Umbilical Hernia ...	1	(1)
Tongue Tie	6	(4)
Discharging Eye ...	19	(13)
Stillborn	3	
Premature	5	
Malformation	1	
	66	(36)

GRANTULLY MATERNITY HOME.

WORK OF THE HEALTH VISITORS.

	Primary	Second'ry	Total
Maternity and Child Welfare :—			
Visits to children under one year of age	1459	4927	6386
Visits to children between one and five years... ...	...	...	6776
Visits for cases of ophthalmia neonatorum	16	118	134
Visits to expectant mothers	...	...	474
Visits to midwives	...	...	4
Tuberculosis .—			
Visits to cases	145	1130	1275
Health Work :—			
Visits to cases of pneumonia	175	...	175
Visits to mental defectives	...	...	42
Visits for treatment of puerperal fever	1	...	1
Visits for treatment of puerperal pyrexia	7	7	14
Visits to Nursing-out Children - Children Act, 1908 ...	...	...	26
*School Work :—			
Visits to schools			3
Visits to schools with S.M.O.			2
Visits to schools with dentist			1
Following up : Verminous cases			34
Scabies			2
Eye defects			10
Chickenpox			1
Measles			28
Impetigo...			2
Enlarged tonsils and adenoids			2
Special enquiries			417
Clinics attended :—			
Baby			459
Ante-natal			45
Tuberculosis			111
Venereal diseases			151
School			44
Dental			83
Laboratory			14

* Part of the time of one health visitor is devoted to school work.

MEDICAL FEES.

MATERNITY INSURANCE SCHEME.

The Council still maintained their Insurance Scheme throughout the year, and the following table shows the number of insured persons and the claims which followed :—

INSURANCE SCHEME.

Year ended 31st March, 1931.

No. of contributors to scheme	404
Amount of contributory fees received	£101
Confinements during the period :—	
(a) No medical attention	169
(b) Number of cases medically treated	216
Contributory fees received in respect of (a) and (b) above	£96 5 0
Amount of doctors fees paid by Corporation	£338 7 0
Number of cases where confinement had not taken place during the period	75
Percentage of cases in which medical treatment was required	56
Average cost per case of medical treatment	£1 11 4
Amount received in contributory fees per case treated ...	£0 8 11
Loss to Corporation per case treated	£1 0 5

ARTIFICIAL SUNLIGHT TREATMENT.

Some months ago a Mercury Vapour Lamp was purchased by the Corporation, and in December three regular clinics per week were started. About twenty children per session receive treatment.

So far the results have been most gratifying, marked improvement having been observed at the end of a six weeks course, which is the minimum given. Formerly this work was done in the local hospitals, but it is infinitely desirable that such work should be more in touch with the Medical Officers in charge of the Welfare Centres.

ANTE-NATAL CLINIC.

The attendances at this Clinic show an improvement over those made in 1930, and it is gratifying to know that more women are realising the value of ante-natal supervision, with the result that fewer are now attending for the sole purpose of obtaining "support."

The situation of the Clinic, however, leaves much to be desired, and it is believed that were it more central the numbers attending would increase. In addition, although the building now in use is fairly suitable, it has been found to be extremely cold in winter, so that patients have frequently made complaints.

The midwives have in many cases sent expectant mothers to the Clinic, and at times they have come with their patients.

All abnormalities found on medical examination are reported to the midwife,thus linking up the Clinic with the nurse booked for the confinement, and if necessary with the patient's own medical advisor. For some time now arrangements have been made with the School Dentist, to attend to pregnant women requiring treatment. These facilities have been greatly appreciated by the women concerned.

ANTE-NATAL WORK.

Towards the end of the year the Council agreed, along with the local Division of the British Medical Association, to try out a voluntary Ante-natal Scheme.

The scheme is to come up for revision in twelve months time.

All cases coming to the knowledge of the Health Department are instructed that free ante-natal examination can be had from their own doctor.

The Department send the names to the respective practitioners, who report on their findings. If the doctor does not reply within a month, or expresses his unwillingness to undertake the case, the woman is visited and advised to come to the Ante-Natal Clinic.

It is somewhat early at this period to express an opinion on the working of the scheme.

SCHOOL CLINIC.

The details under this heading are given in the Annual Report of the School Medical Officer.

TUBERCULOSIS.

TUBERCULOSIS CLINIC.

There has been no change in the arrangements for the Tuberculosis Clinic, which is still held at Mill House. Reference has been made in former reports to the unsatisfactory nature of the accommodation. There is, however, a defect of equal importance in the lack of an X-ray plant. Until such a plant is provided, the Clinic will never fulfil its proper function as the centre for the diagnosis and treatment of Tuberculosis in the Borough.

TUBERCULOSIS STATISTICS.

Statistical information relating to the tuberculosis work done during the year is given in the pages which follow, and in appendices 24, 25, 26 & 27. In appendix 25 it is of interest to note that the greatest incidence of non-pulmonary tuberculosis is in the age-group 5 to 10 years, and that the greatest incidence of pulmonary tuberculosis is in the age-group 20 to 25, in which group the majority of cases occur amongst women. Appendix 25, when compared with the same table for 1930, shows that there have been fewer cases of tuberculosis (all forms) and fewer deaths in 1931 than in 1930.

It is of some interest to compare the pulmonary tuberculosis statistics for 1921 and 1931. In 1921 there were 130 cases notified, and 77 deaths from pulmonary tuberculosis. This year 100 cases have been notified and 61 deaths have occurred. The decline, though not dramatic, is nevertheless gratifying, but the fact that 100 new cases were notified and 61 persons died of pulmonary tuberculosis in 1931 shows that much still requires to be done to combat the disease. In this fight many factors are involved, and no great victory will be won until such aspects of the problem as Economic Circumstances, Housing, Diet, and Education in Health are more thoroughly dealt with.

Appendix 27 shows the interval between notification of tuberculosis and death. It is especially significant in regard to pulmonary tuberculosis, where it will be seen that of the deaths from pulmonary tuberculosis the majority occurred within six months of notification. When we consider that pulmonary tuberculosis is in the main a protracted illness we must admit that many cases are coming to light too late to be effectively dealt with.

TUBERCULOSIS CARE COMMITTEE.

Reference to tuberculosis work in the Borough would be incomplete if no mention were made of the work done by this Committee. By supplying extra nourishment the Committee does much to alleviate the hardships of sufferers from tuberculosis, many of whom are in poor circumstances. It is much to be regretted that a serious lack of funds prevents the Committee from doing as much of this work as it desires.

Return showing the work of the dispensary during the year, 1931.

DIAGNOSIS.	Pulmonary.				Non-Pulmonary.				Total.			
	Adults.		Children		Adults.		Children		Adults.		Children	
	M	F	M	F	M	F	M	F	M	F	M	F
A—New cases examined during the year (excluding contacts)												
(*a*) Definitely tuberculous ...	26	15	1	3	6	3	13	14	32	18	14	17
(b) Diagnosis not completed	...	...	...	...	...	...	...	...	2	4	2	1
(*c*) Non-tuberculous... ...	...	...	...	...	...	...	...	...	11	7	22	31
B—Contacts examined during the year :—												
(*a*) Definitely tuberculous ...	...	...	...	1	...	...	...	...	...	...	...	1
(*b*) Diagnosis not completed	...	...	...	...	...	...	...	...	...	...	...	1
(*c*) Non-tuberculous... ...	...	...	...	...	...	...	...	...	8	8	20	14
C—(Cases written off the dispensary register as												
(*a*) Recovered	1	1	...	1	3	4	11	9	4	5	11	10
(b) Non-tuberculous (including any such cases previously diagnosed and entered on the Dispensary Register as tuberculous)	...	...	...	...	...	...	...	...	22	16	43	47
D—Number of cases on dispensary register on Dec. 31st :—												
(*a*) Definitely tuberculous ...	74	51	13	17	31	47	62	51	105	98	75	68
(*b*) Diagnosis not completed	...	...	...	...	...	...	...	...	2	1	5	2

1. Number of cases on dispensary register on January 1st ... 336
2. Number of cases transferred from other areas and cases returned after discharge under Head 3 in previous years ... 12
3. Number of patients transferred to other areas, cases not desiring further assistance under the scheme, and cases 'lost sight of' 18
4. Cases written off during the year as dead (all causes) 19
5. Number of attendances at the dispensary (including contacts) 975
6. Number of insured persons under domiciliary treatment on the 31st December 17
7. Number of consultations with medical practitioners :—
   (*a*) Personal 1
   (*b*) Otherwise 20
8. Number of visits by Tuberculosis Officers to homes (including personal consultations) ... 103
9. Number of visits by nurses or health visitors to homes for dispensary purposes 830
10. Number of
    (*a*) Specimens of sputum, &c., examined 95
    (*b*) X-ray examinations made in connection with dispensary work ... ...
11. Number of "recovered" cases restored to dispensary register, and included in A(*a*) and A(*b*) above 1
12. Number of "T. [illegible]" on Dispensary Register on 31st December 79

Number of beds available for the treatment of tuberculosis on the 31st December in institutions belonging to the Council.

Name of Institution	For Pulmonary Cases.		For Non-Pulmonary Cases		Total
	Adults	Children under 15	Adults	Children under 15	
Poor Law Institution :—					
Howbeck Infirmary ...	18	...	13	17	48

Return showing the extent of residential treatment and observation during the year in institutions (other than poor law institutions) approved for the treatment of tuberculosis.

			In institutions on Jan. 1.	Admitted during the year	Discharged during the year	Died in the institution	In institutions on Dec 31.
Number of doubtfully tubereulous cases admitted for observation	Adults	M	2	2	4	..	...
		F	...	3	3	...	...
	Children		...	1	1	...	...
Number of definitely tuberculous patients admitted for treatment	Adults	M	7	21	24	...	4
		F	5	15	13	...	7
	Children		6	8	7	...	7
Grand Total ...			20	50	52	...	18

Return showing the extent of residential treatment provided during the year in poor law institutions for persons chargeable to the Council.

			In Institutions On Jan 1.	Admitted during the year	Discharged during the year	Died in the Institution	In Institutions on Dec. 31.
Number of patients suffering from pulmonary tuberculosis admitted for treatment	Adults	M	9	28	13	17	7
		F	5	16	10	8	3
	Children		1	3	3	1	...
Number of patients suffering from non-pulmonary tuberculosis admitted for treatment	Adults	M	4	8	4	6	2
		F	...	6	4	—	2
	Children		11	29	26	7	7
Grand Total ...			30	90	60	39	21

Return showing the results of observation of doubtfully tuberculous cases discharged during the year from Institutions approved for the treatment of Tuberculosis.

Diagnosis on discharge from observation	For Pulmonary Tuberculosis.						For Non-Pulmonary Tuberculosis						Totals.		
	Stay under 4 weeks			Stay over 4 weeks			Stay under 4 weeks			Stay over 4 weeks					
	M	F	Ch	M	F	Ch	M	F	Ch	M	F	Ch	M	F	Ch
Tuberculous ...	2	2	1	...	...	...	...	...	...	...	...	...	2	2	1
Non-tuberculous ...	2	...	...	...	1	...	...	...	...	...	...	...	2	1	...
Doubtful	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Totals ...	4	2	1	...	1	...	...	...	...	...	...	...	4	3	1

Return showing the immediate results of treatment of definitely tuberculous patients discharged during the year from Institutions approved for the treatment of Tuberculosis.

Classification on admission to the institution.		Condition at time of discharge.	Duration of residential treatment in institution.														
			Under 3 months.			3—6 months.			6—12 months.			More than 12 months.			Totals.		
			M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.	M.	F.	Ch.
Pulmonary Tuberculosis.	Class T.B. minus.	Quiescent	...	...	...	2	...	...	...	...	...	...	...	...	2	...	...
		Not quiescent ...	...	...	...	...	2	...	1	...	...	...	...	...	1	2	...
		Died in institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Class T.B. plus. Group 1.	Quiescent	...	...	...	...	...	...	1	...	...	...	...	...	1	...	..
		Not quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
		Died in institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
	Class T.B. plus. Group 2	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
		Not quiescent ...	3	1	...	11	3	...	...	1	1	1	2	...	15	7	
		Died in institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..
	Class T.B. plus. Group 3	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.
		Not quiescent ...	4	3	...	...	1	1	...	...	...	...	...	...	4	4	
		Died in institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.
Non-Pulmonary Tuberculosis.	Bones & Joints.	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.
		Not quiescent ...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	
		Died in institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.
	Abdominal	Quiescent	...	...	...	...	...	4	...	...	...	...	...	...	...	...	
		Not quiescent ...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	.
		Died in institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	.
	Other Organs	Quiescent	...	...	...	...	...	...	...	...	...	...	..	...	...	...	.
		Not quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Died in institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Peripheral Glands.	Quiescent	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Not quiescent ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
		Died in institution	...	...	...	...	...	...	...	...	...	...	...	...	...	...	

PULMONARY TUBERCULOSIS.

Return showing in summary form (*a*) the condition at the end of 1931 of all patients remaining on the Dispensary Register; and (*b*) the reasons for the removal of all cases written off the Register. The Table is arranged according to the years in which the patients were first entered on the Dispensary Register as definite cases of pulmonary tuberculosis, and their classification at that time.

Condition at the time of the last record made during the year to which the return relates.			Previous to 1926.					1926.					1927.					1928.					1929.					1930.					1931.				
			Class T.B. minus	Class T.B. plus.				Class T.B minus	Class T.B. plus.				Class T.B. minus	Class T.B. plus				Class T.B. Minus	Class T.B. Plus				Class T.B. Minus	Class T.B. Plus				Class T.B. Minus	Class T.B. Plus				Class T.B. Minus	Class T.B. Plus			
				Group 1	Group 2	Group 3	Total (Class T.B. plus)		Group 1	Group 2	Group 3	Total (Class T.B. plus)		Group 1	Group 2	Group 3	Total (Class T.B. plus)		Group 1	Group 2	Group 3	Total (Class T.B. Plus)		Group 1	Group 2	Group 3	Total (Class T.B. plus)		Group 1	Group 2	Group 3	Total (Class T.B. Plus)		Group 1	Group 2	Group 3	Total (Class T.B. Plus)
(*a*) Remaining on Dispensary Register on 31st December.	Disease arrested	Adults M	1	1	...	1	2	...	...	1	...	1	1	2	2	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Adults F	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Children	3	...	...	...	...	2	...	...	...	...	5	...	...	...	...	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Disease not arrested	Adults M	...	...	1	2	3	...	2	...	...	2	1	2	2	1	5	...	2	1	...	3	2	1	2	1	4	4	4	3	...	7	5	10	6	1	17
		Adults F	4	2	1	1	4	1	...	2	...	2	1	1	2	...	3	...	1	3	...	4	...	1	2	...	3	2	2	5	1	8	9	4	1	...	5
		Children	2	...	...	...	...	...	...	...	...	...	4	...	...	...	...	8	...	...	...	...	1	...	...	...	...	4	1	...	...	1	5	...	...	...	...
	Condition not ascertained during the year		4	...	...	1	1	2	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
	Total on Dispensary Register at 31st Dec.		14	3	2	5	10	5	2	3	...	5	12	5	6	1	12	11	3	4	...	7	4	2	4	1	7	11	7	8	1	16	19	14	7	1	22
(*b*) Not now on Dispensary Register and reasons for removal therefrom	Discharged as recovered	Adults M	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Adults F	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Children	4	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Lost sight of, or otherwise removed from dispensary register...		16	1	4	1	6	9	1	1	2	4	4	2	2	1	5	3	2	2	1	5	2	2	1	2	5	...	...	3	...	3	...	1	...	...	1
	Dead	Adults M	...	1	2	8	11	...	1	4	11	16	2	2	4	3	9	1	3	2	9	14	1	...	1	5	6	1	...	2	4	6	...	1	1	2	4
		Adults F	1	2	1	3	6	...	1	2	8	11	...	...	1	5	6	1	2	1	6	9	2	2	2	4	8	1	...	4	2	6	...	...	1	1	2
		Children	5	...	...	2	2	2	...	...	...	...	5	2	...	2	4	...	...	...	...	...	...	...	...	1	1	1	1	1	...	2	...	...	...	...	...
	Total written off Dispensary Register		31	5	7	14	26	13	3	7	21	31	11	6	7	11	24	5	7	5	16	28	5	4	4	12	20	3	1	10	6	17	...	2	2	3	6
Grand Totals ...			45	8	9	19	36	18	5	10	21	36	23	11	13	12	36	16	10	9	16	35	9	6	8	13	27	14	8	18	7	33	19	16	9	4	28

NON-PULMONARY TUBERCULOSIS

Return showing in summary form (*a*) the condition at the end of 1931 of all patients remaining on the Dispensary Register; and (*b*) the reasons for the removal of all cases written off the Register.

Condition at the time of the last record made during the year to which the return relates.			Previous to 1926					1926.					1927.					1928.					1929					1930					1931				
			Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total	Bones and Joints	Abdominal	Other Organs	Peripheral Glands	Total
(*a*) Remaining on Dispensary Register on 31st December	Disease arrested	Adults M	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	2	...	...	1	3	1	...	...	...	1	...	...	...	1	1
		Adults F	...	...	2	1	3	...	...	1	...	1	...	...	...	...	...	1	...	...	1	2	1	...	2	1	4	...	1	...	1	2	1	1	...	...	2
		Children	...	...	2	5	7	3	...	...	3	6	1	2	...	2	5	3	2	...	7	12	3	6	...	8	17	5	4	...	9	18	...	4	...	2	6
	Disease not arrested	Adults M	...	...	...	...	...	...	...	...	...	...	...	...	...	2	2	1	...	1	...	2		...	...	...	..	1	2	...	...	3	3	2	...	...	5
		Adults F	...	...	3	...	3	...	...	1	...	1	...	...	...	...	.	...	...	1	...	1	...	...	...	...	...	1	...	...	3	4	...	1	...	...	1
		Children	2	...	7	1	10	1	...	2	2	5	2	...	1	...	3	3	...	...	3	6	3	1	...	3	7	2	...	...	3	5	4	7	3	7	21
	Condition not ascertained during the year		1	...	...	2	3	...	...	1	1	2	...	...	1	4	5	2	1	...	2	5	1	...	2	1	4	...	...	...	2	2	...	...	...	...	...
	Total on Dispensary Register at 31st Dec.		3	...	14	9	26	4	...	5	6	15	3	2	2	8	15	11	3	2	13	29	10	7	4	14	35	10	7	...	18	35	8	15	3	10	36
Transferred to Pulmonary			...	2	1	4	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(*b*) Not now on Dispensary Register and reasons for removal therefrom	Discharged as cured	Adults M	1	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Adults F	2	...	...	1	3	...	...	...	1	1	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Children	10	3	2	11	26	6	1	1	9	17	4	1	...	2	7	1	2	...	9	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Lost sight of, or otherwise removed from Dispensary Register		5	1	2	6	14	4	1	5	3	13	3	...	2	4	9	3	...	...	5	8	1	1	...	2	4	2	1	1	1	8	...	..	...	...	...
	Dead	Adults M	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Adults F	...	...	1	...	1	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Children	...	2	...	...	2	2	...	...	2	4	...	...	1	1	2	...	...	1	...	1	1	1	...	...	2	...	2	...	..	2	...	...	...	...	...
	Total written off Dispensary Register		18	7	5	18	48	12	2	6	15	35	7	1	3	9	20	4	2	1	14	21	2	2	...	2	6	2	3	1	4	10	...	...	...	...	...
Grand Totals of (*a*) & (*b*) (excluding those transferred to Pulmonary) ...			21	7	19	27	74	16	2	11	21	50	10	3	5	17	35	15	5	3	27	50	12	9	4	16	41	12	10	1	22	45	8	15	3	10	36

TUBERCULOSIS.

AVERAGE RESIDENCE AND COST.

(A)—SANATORIUM TREATMENT.

Name of Sanatorium	Form of Disease			Total days residence	Average residence per patient (days)	Total Cost.		
	Pulmonary	Non-Pulmonary	Observation			£	s	d
Barrasford	42	1	7	4,651	93	1,878	18	6
Stannington ...	9	6	1	2,912	172	852	19	2
Totals ...	51	7	8	7,563	...	2,731	17	8

NOTE—Children were sent to Stannington and adults to Barrasford.

(B)—SURGICAL TREATMENT.

Institution.	Form of disease		Total days residence	Average residence per patient (days)	Cost		
	Glands	Bones and Joints			£	s	d
Hartlepools Hospital	10	14	2,976	124	860	15	3

(C)—ULTRA VIOLET RAYS.

Patients were given "light" treatment at the Hartlepools Hospital at an agreed figure of 1/6 per attendance.

Number of Patients	Total Number of Exposures	Average Number of Exposures per Patient	Total Cost		
			£	s.	d.
15	274	18·2	13	1	0

VENEREAL DISEASES.

The arrangements for the Clinic continue as in former years, viz.—Male clinic on Monday and Thursday evenings, and Female clinic on Friday afternoons, at Mill House.

The statistics given in the pages which follow show the work done during the year. They show that the volume of work has been much the same as in former years.

A significant table is that which shows the number of cases which ceased to attend before completion of treatment—42 cases of syphilis and 51 cases of gonorrhoea. Of these the majority were males. The serious aspect of this is that all these cases have finished treatment while they are still in an infectious condition, capable of passing on the disease to others. Every case which attends is particularly warned about the serious nature of the disease and the need for thorough and adequate treatment, but the indifference shown is amazing. Such cases will occur so long as attendance is voluntary, and the evil will not be abated until persons suffering from venereal disease are compelled under penalty to undergo adequate treatment.

The female Venereal Disease Clinic continues to be a busy one, and patients are coming more regularly for treatment. The number of defaulters is comparatively small, in most cases being accounted for by absence from the town for more or less unavoidably prolonged periods.

Women suffering from syphilis seem to appreciate the necessity for prolonged treatment, and observation, while the discomfort experienced by those afflicted with gonorrhoea is an excellent incentive for their attendance till pronounced cured. Pregnant women suffering from this last disease have been much more ready to attend the Centre this year.

VENEREAL DISEASES.

Attendances at Corporation Clinic.

	Syphilis		Soft Chancre		Gonorrhoea.		Condit'ns other than Venereal		Total		Totals
	M	F	M	F	M	F	M	F	M	F	
Number of cases on 1st January under treatment or observation ...	44	23	3	...	32	11	1	1	80	35	115
Number of cases removed from the register during any previous year which returned during the year under report for treatment or observation of the same infection ...	3	1	...	...	17	2	...	...	20	3	23
Number of cases dealt with for the first time during the year under report (exclusive of cases under Item 4) suffering from :—											
Syphilis, primary	9	3		...	...	...	...	...	9	3	12
,, secondary ...	1	2	...	...	...	...	...	...	1	2	3
,, latent in 1st year of infection ...	...	4	...	...	...	...	...	...	...	4	4
,, all later stages ...	6	2	...	...	...	...	...	...	6	2	8
,, congenital ...	1	5	...	...	...	...	...	...	1	5	6
Soft Chancre	...	...	13	...	...	...	...	...	13	...	13
Gonorrhœa, 1st year of infection	...	...	...	...	84	11	...	...	84	11	95
,, later	...	...	...	...	10	21	...	...	10	21	31
Conditions other than venereal	...	...	...	...	...	...	20	5	20	5	25
Number of cases dealt with for the first time during the year under report known to have received treatment at other centres for the same infection	13	3	2	...	8	3	...	...	23	6	29
Totals of Items 1, 2, 3 & 4 ...	77	43	18	...	151	48	21	6	267	97	364
Number of cases discharged after completion of treatment and final tests of cure (see item 15) ...	3	4	4	...	28	...	20	3	55	7	62
Number of cases which ceased to attend before completion of treatment and were, on first attendance suffering from :—											
Syphilis, primary	19	1	...	...	...	...	...	...	19	1	20
,, secondary ...	2	1	...	...	...	...	...	...	2	1	3
,, latent in 1st year of infection ...	...	...	...	...	...	...	...	...	...	...	...
,, all later stages ...	8	4	...	...	...	...	...	...	8	4	12
,, congenital ...	1	5	...	...	...	...	...	...	1	5	6
Soft Chancre	...	...	...	...	...	...	...	...	...	...	...
Gonorrhœa, 1st year of infection	...	...	...	...	27	12	...	...	27	12	39
,, later	...	...	...	...	7	5	...	...	7	5	12
Number of cases which ceased to attend after completion of treatment but before final tests of cure (see Item 15)	5	2	5	...	17	...	...	...	27	2	29

VENEREAL DISEASES.

Attendances at Corporation Clinic.

	Syphilis		Soft Chancre		Gonorrhoea		Conditions other than Venereal		Total		Totals
	M	F	M	F	M	F	M	F	M	F	
8. Number of cases transferred to other centres or to institutions, or to care of private practitioners ...	10	3	4	...	21	3	...	...	35	6	41
9. Number of cases remaining under treatment or observation on 31st December	29	24	5	...	51	28	1	3	86	55	141
Totals of Items 5, 6, 7, 8 & 9 ...	77	43	18	...	151	48	21	6	267	97	364
10. Number of cases in the following stages of syphilis included in Item 6 which failed to complete one course of treatment:—											
Syphilis, primary	9	...	...	...	...	...	...	...	9	...	9
,, secondary	1	1	...	...	...	...	...	...	1	1	2
,, latent in 1st year of infection ...	...	..	...	...	...	...	...	...	...	...	...
,, all later stages ...	...	1	...	...	...	...	...	...	...	1	1
,, congenital... ...	1	2	...	...	...	...	...		1	2	3
11. Number of attendances:—											
(*a*) for individual attention of the medical officers... ...	684	589	47	...	1043	492	36	27	1810	1108	2918
(*b*) for intermediate treatment, e.g., irrigation, dressing ...	...	...	...	...	2745	1166	...	...	2745	1166	3911
Total Attendanges ...	684	589	47	...	3788	1658	36	27	4555	2274	6829
12. In-patients:—											
(*a*) Total number of persons admitted for treatment during the year	1	...	...	...	1	...	...	...	2	...	2
(*b*) Aggregate number of "in-patient days" of treatment given	84	...	...	...	54	...	...	...	138	...	138

	Under 1 year		1 & under 5 years		5 & under 15 years		15 years and over		Totals	
	M	F	M	F	M	F	M	F	M	F
13. Number of cases of congenital syphilis in Item 3 above classified according to age periods ...	1	...	...	...	...	4	...	1	1	5

VENEREAL DISEASES—Attendances at Corporation Clinics.

	Arsenobenzene Compounds	Mercury	Bismuth
4. Chief preparations used in treatment of Syphilis:—			
(a) Names of preparations ...	N.A.B. and Sulpharsenol	Hyd c Creta	Bisantol
(b) Total number of injections given (out-patients and in-patients)	827	...	174
(c) Number of injections *included in* (b) given to patients who on first attendance at this Centre were suffering from primary and secondary syphilis	126	...	31

PATHOLOGICAL WORK.

	Microscopical		Serum Tests		
	For spirochetes	For gonococci	Wassermann	Others for Syphilis	For Gonorrhœa
(a) Number of specimens examined at and by the Medical Officer of the treatment centre	...	254	...	...	...
(b) Number of specimens from patients attending at the centre sent for examination to an approved laboratory	...	...	220	...	...

Statement showing the services rendered at the Treatment Centres during the year, classified according to the areas in which the patients resided.

	West Hartlepool	Durham	Manchester	Newcastle	Northumberland	Hull	Lowestoft	Scotland	Sweden	Italy	Russia	Norway	Latvia	Greece	TOTAL
A. Number of cases in Item 3 from each area found to be suffering from:—															
Syphilis	14	16	...	...	1	...	...	...	1	...	1	...	...	...	33
Soft Chancre	3	8	...	...	...	...	...	...	1	1	...	...	...	...	13
Gonorrhœa	82	35	1	.	...	...	1	...	1	...	...	4	...	2	126
Conditions other than venereal...	19	5	...	...	...	1	..	...	...	...	...	...	...	...	25
TOTAL	118	64	1	...	1	1	1	...	3	1	1	4	...	2	197
B. Total number of attendances of all patients residing in each area ...	4442	2336	2	2	1	1	3	4	12	1	2	13	2	8	6829
C. Aggregate number of "In-patient days" of all patients residing in each area	54	84	...	...	...	...	...	...	...	...	...	...	...	...	138
D. Number of doses of Arsenobenzene compounds given in the out-patient Clinic and In-patient Department to patients residing in each area ...	601	218	...	...	1	...	...	...	5	...	2	...	...	...	827

LOCAL GOVERNMENT ACT, 1929.

Little progress was made during the year in co-ordinating the medical services under the Corporation. The hospital at Howbeck, as has already been pointed out would require much alteration before it could fit in with the suggested schemes, in co-operation with the voluntary hospitals in the area, and in view of the expense involved, the question of appropriation was deferred for twelve months.

The Maternity and Child Welfare work of the Council, and relief under this heading, is now carried out almost entirely by the appropriate Committee, and schemes for the Welfare of the Blind have this year been approved.

The Mental Deficiency work, with the exception of the Colony at Howbeck, is all done under the direction of the Mental Deficiency Committee.

The question of the appropriation of the Colony is too closely intermingled with Howbeck Hospital to deal with the two separately—the question of dealing with this has therefore been left until the whole question of appropriation is under review.

In discussing hospital accommodation in the area it has once again been borne out that while there may have been short waiting lists for less urgent cases at the voluntary hospitals, at no time during the year was the Howbeck Hospital filled; in fact the lowest figure for the year showed 45 vacant beds, so it would appear that there is no special shortage of hospital beds as such in the area, and that with proper distribution we should be able to satisfy the needs of the area.

SANITARY INSPECTION OF THE AREA.

WATER.

The following report of the Analyst gives a fair sample of the water supply of the area, and shows it to be a good wholesome supply.

	Parts per 100,000
Chlorine as Chlorides	10.0500
Nitrogen as Nitrates	.1652
Ammonia	.0032
Albuminoid Ammonia	.0025
Oxygen Absorption	None
Injurious Metals	None
Total Solid Matter dried @ 100 C.	42.0000

Temporary Hardness	23.60 degrees
Permanent Hardness	18.80 degrees
Colour of sample on Hazen Scale	3
Appearance of sample in 2 foot tube ...	Not quite bright
Odour when heated to 50 degrees C. ...	None

MICROSCOPICAL EXAMINATION.

Satisfactory.

OBSERVATIONS.

This sample affords no evidence of pollution by sewage or other foul drainage, nor contamination by impurities derived from the surface. The sample is, therefore of good and wholesome quality for human consumption.

DRAINAGE AND SEWERAGE.

There is no essential difference to report in this service.

CLOSET ACCOMMODATION.

Conveniences remain as last year under this heading.

ASHPITS.

A steady improvement has been maintained in this connection throughout the year, and it is hoped that with continued pressure we may be able to clear the Borough of this source of trouble.

Ashpits Abolished.

	Wards.								Total
	North	West	Park	SWest	S East	C'ntr'l	NEast	Seat'n	
Ashpits abolished and circular pans provided	2	20	17	41	1	1	20	...	65

SCAVENGING—DISPOSAL OF HOUSE REFUSE.

Refuse Collected and Disposed of.

Year ended 31st December, 1931.	Number of loads collected.					Number of loads destroyed.	
Month.	Night	Day	Total	Taken to Farms.	Taken to D'str'ct'r	Sundry	Total incl'ding destr'ct'r
January	—	1695	1695	1128	567	405	972
February	—	1406	1406	902	504	339	843
March	—	1543	1543	968	575	397	972
April	—	1468	1468	902	566	345	911
May...	—	1701	1701	1133	568	432	1000
June	—	1373	1373	854	519	419	938
July	—	1355	1355	796	559	484	1043
August	—	1495	1495	957	538	490	1028
September	-	1369	1369	819	550	502	1052
October	—	1630	1630	1109	521	558	1079
November	—	1455	1455	920	535	575	1110
December	—	1566½	1566½	962	604½	618	1222½
Totals	—	18056½	10856½	11450	6606½	5564	12170½

SCAVENGING.

The system remains the same as in former years, but negotiations are taking place with a view to acquiring an old disused quarry, so that an attempt at controlled tipping might with advantage be made.

SANITARY INSPECTION OF THE AREA.

My views on this subject are only too well known to need enlarging upon. There is no room for doubt that two men cannot undertake efficiently the proper sanitary control of the area.

The work and responsibilities have developed enormously, and furthermore the area of the Borough has been extended by 50%.

When you take the year 1914, the favourite year for comparisons of salary, cost of living, etc., and realise that at that time we had four men doing the work, it would seem only too obvious that it is impossible to carry out satisfactorily, the whole of the services now demanded of a sanitary staff.

I have heard opposite opinions expressed frequently, that the staff is too large, but I can only say that these opinions, honestly held perhaps, can only be based on some false assumption, and without any real knowledge of the volume of the work and the multiplicity of the duties.

I may have expressed my opinion somewhat strongly, but honestly, for I feel that by neglecting your duties, or rather carrying them out half-heartedly, you are doing a real harm to the community at large, for sanitary inspectors not only harrass tardy landlords and perhaps dirty and negligent tenants, but they do at the same time safeguard your interests and health, in the control of your food supply and social conditions.

SANITARY INSPECTION OF THE DISTRICT.

Inspections were made as follows:—

4,579 visits under Housing and Public Health Acts.
406 visits under Merchandise Marks Acts.
125 visits to factories and workshops.
147 visits to dairies, cowsheds and milkshops.
240 visits to fish, fruit and meat shops.
204 visits to public abattoir.
25 visits to ice-cream shops.
91 visits to common lodging houses.
26 visits to houses let in lodgings.
23 visits to caravans and sheds.
296 visits to cases of infectious diseases.
11 visits to homes of mental defectives.
355 complaints attended to.
13 drains inspected.
11 drains tested.
1,103 informal notices served.
276 statutory notices served.

Defects or nuisances discovered and dealt with are given below:—

	NUMBER REPORTED
Drains not properly trapped	2
Drains defective	15
Drains stopped	58
Dirty or verminous dwellings	13
Dirty workshops	5
Defective yard pavements	102
Defective spouts and fallpipes	257
Defective dwelling house roofs	179
Overcrowding	1
Caravan unfit for habitation	1
Dirty cowsheds	2
Ashpits to be abolished	85
Defective water closets	291
Additional water closets required	5
Accumulations of manure	10
Cleansing of pig styes	1
Animals improperly kept...	4
Nuisance from offensive trade	1
Smoke nuisance	1
Defective or absent dustpans	229
Defective or absent ashcloset doors	91
Dirty rainwater wells	9
Defective rainwater pumps and wells	134
No supply of drinking water	8
Defective water taps, pipes, etc.	37
Other nuisances	1387
Total ...	2928

DISINFECTION, 1931.

Number of rooms sprayed and fumigated		537
Tuberculosis	112	
Fever	240	
Vermin	115	
Institutions	18	
Other	52	

Number of articles disinfected by steam		5640
Beds and mattresses	427	
Pillows and bolsters	1039	
Carpets and rugs	474	
Articles of clothing	801	
Sheets, blankets and quilts	1727	
Sundry articles	1172	
Number of articles destroyed by consent of owner ...		203
Number of houses disinfected		411

PREMISES AND OCCUPATIONS CONTROLLED BY BYE-LAWS OR REGULATIONS.

	NUMBER
Fried Fish Dealers	71
Marine Stores	6
Gut Scrapers	2
Tripe Boilers	3
Tallow Melters	5
Bone Boilers	1
Common Lodging Houses	12
Registered Houses-let-in-lodgings	43
Cowsheds and Retail Purveyors of Milk	100
Slaughter Houses	1

COMMON LODGING HOUSES.

Situation.	Registered no. of lodgers.	No. of rooms.
18, Rokeby Street	18	6
138, Burbank Street	35	9
23, St. John Street	18	5
7, Tennant Street	30	8
3, Redworth Street	17	3
16, Mainsforth Terrace... ...	51	23
2, Edward Street	22	4
29, George Street	11	3
26, George Street	11	3
15, Mainsforth Terrace... ...	20	7
5, South Street	14	5
Florida Cottage, Hart Lane ...	6	13
Totals	253	89

SMOKE ABATEMENT.

It would be idle to suggest, in view of the present trade depression, that conditions might be improved by more stringent regulations governing fueling, chimneys etc.

No improvement has been made, in spite of the lack of work and trade smoke, pointing conclusively to the real source of trouble—the domestic chimney. Improvement can, in my opinion, only be looked for when we have a more enlightened use of smokeless fuel, electricity, or gas for heating and cooking in the domestic household.

SCHOOLS.

A full report of conditions is given in my School Annual Report.

RAG FLOCK ACT, 1911 and 1928.

We have nothing to report under this heading.

HOUSING.

The number of Inhabited Houses in the Borough at the end of the year was 15,600, with a population of 68,370, giving a figure of 4.3 persons per house.

During the year 176 houses were added, 50 being built by the Corporation, and 126 by private enterprise.

This latter figure, in view of the depression, is rather pleasant reading, but unfortunately only relieves the overcrowding to a very slight extent, and very indirectly. The number built by the Corporation is still far below the requirements, and although the poorer classes cannot afford even these houses, they do reflect on the overcrowding figures to a greater extent than efforts by private enterprise. There is still much room for increase in this figure, and the application list is still very considerable, even although we deduct cases living in more or less decent houses, who merely want a change of circumstances.

The allocation of Council houses, to good tenants, to a few overcrowded cases, and to a still fewer number of tubercular cases, does help materially by emptying cheaper houses, and it seems to me that this gradual moving up is the only solution of our overcrowding and bad housing conditions, for it has not been found possible to build houses for letting at an economic rent to meet the great bulk of distressed people who

are living on unemployment benefit or transitional benefit. It is hopeless to demand a rent of even 6/- out of an income from all sources of 23/- to 25/-, and expect at the same time to retain their health and character, for the two are very closely interlinked.

Depression and sordid conditions, with lack of suitable nourishment, does effect the health and mental outlook, and unless we tackle the housing conditions seriously we are simply asking for a slipping back, and the damage done can never be repaired, when we simply sit by and wait for a return to better times for further building.

OVERCROWDING.

The following figures give the number of cases of overcrowding dealt with during the year.

(a)	Cases reported to the Health Committee	61
(b)	No. of families included in (a)	76
(c)	No. of people included in (a) :—	
	Over 10 years	222
	Under 10 years	231
(d)	Rooms, etc., occupied by the above :—	
		110 rooms, 6 living vans
(e)	No. of cases reported who were subsequently given Council Houses	5
(f)	No. of cases reported who were put on the list for special and early consideration	16

HOUSING.

1. Inspection of Dwelling houses during the year :—

(1)	(a) Total number of dwelling houses inspected for housing defects (under Public Health or Housing Acts)	1399
	(b) Number of inspections made for the purpose ...	4572
(2)	(a) Number of dwelling houses (included under Sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	421
	(b) Number of inspections made for the purpose ...	796

(3) Number of dwelling houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation 125

(4) Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation 951

2. Remedy of Defects during the year without service of formal Notices:—

Number of defective dwelling houses rendered fit in consequence of informal action by the Local Authority or their officers 695

3. Action under Statutory Powers during the year:—

A. Proceedings under sections 17, 18 and 23 of the Housing Act, 1930.

(1) Number of dwelling houses in respect of which notices were served requiring repairs 49

(2) Number of dwelling houses which were rendered fit after service of formal notices:—

(a) By owners 40

(b) By local authority in default of owners 5

B. Proceedings under Public Health Acts:—

(1) Number of dwelling houses in respect of which notices were served requiring defects to be remedied 227

(2) Number of dwelling houses in which defects were remedied after service of formal notices: —

(a) By owners 212

(b) By local authority in default of owners 15

C. Proceedings under sections 19 and 21 of the Housing Act, 1930:—

(1) Number of dwelling houses in respect of which Demolition Orders were made 1

(2) Number of dwelling houses demolished in pursuance of Demolition Orders ... ... —

D. Proceedings under section 20 of the Housing Act, 1930:—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made 1

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit ... ... —

E. Proceedings under section 3 of the Housing Act, 1925:—

(1) Number of dwelling houses in respect of which notices were served requiring repairs ... ... —

(2) Number of dwelling houses which were rendered fit after service of formal notices:—

(a) By owners ... ... —

(b) By local authority in default of owners —

(3) Number of dwelling houses in respect of which Closing Orders became operative in pursuance of declarations by owners of intention to close ... —

F. Proceedings under Sections 11, 14 and 15 of the Housing Act, 1925:—

(1) Number of dwelling houses in respect of which Closing Orders were made ... ... —

(2) Number of dwelling houses in respect of which Closing Orders were determined, the dwelling houses having been rendered fit ... ... —

(3) Number of dwelling houses in respect of which Demolition Orders were made ... ... —

(4) Number of dwelling houses demolished in pursuance of Demolition Orders ... ... —

MILK AND DAIRIES (CONSOLIDATION) ACT, 1915.

Bacteriological examination of milk samples to determine the presence of tubercle bacilli.

No. of samples.	Source.	Result.	Action taken.
2	Local Supply	Negative	Nil
4	Supply from outside Borough	Positive	Responsible authority notified
53	do.	Negative	Nil

TUBERCULOSIS ORDER, 1925.

No animals were slaughtered during the year under the provisions of this Order.

PREVALENCE OF AND CONTROL OVER INFECTIOUS AND OTHER DISEASES.

Generally speaking there was a decided falling off in the number of notifications of infectious disease.

Scarlet Fever, although it showed a decided increase in prevalence, maintained its mild form, and no deaths resulted.

Diphtheria showed a remarkable decline in incidence, and resulted in two deaths. In my opinion the prompt use of antitoxin might have had more favourable results in these two cases.

The vast majority of cases occurred between the ages of 5 to 10 years, indicating conclusively in my opinion the necessity for preventive measures in the pre-school age.

Typhoid Fever showed a falling off, and after our intensive efforts towards the end of last year and the beginning of the one under review, we seem to have had only an odd case here and there. Perhaps I may be optimistic, but since we definitely got on the track of mussels, winkles and shellfish, and took steps to warn people of the dangers involved in their consumption when gathered in suspicious neighbourhoods, we have had little further trouble from this disease, in spite of the fact that a few carriers remain in our neighbourhood.

Tuberculosis has practically remained stationary, but Pneumonia cases following an outbreak of Influenza showed a fairly sharp rise.

There was nothing of note regarding the other infectious diseases, and no school closures were necessary.

The new Infectious Disease Hospital is fast approaching completion, and it is to be hoped that when the department is more closely associated with the actual cases we may be able to glean more useful information which might help us on the preventive side.

VACCINATION STATISTICS.

	NUMBER
Births registered	1548
Successfully vaccinated	1066
Conscientious objectors	361
Died unvaccinated	64
Insusceptible	22
Postponed by Medical certificate	9
Removed to other districts	9
Lost sight of	14
Still under notice	3

Percentage of unvaccinated children for the past 10 years:—

1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
25.3%	19.8%	16.8%	15.6%	16.3%	16.5%	17.8%	20.7%	21.4%	23.3%

PREVENTION OF BLINDNESS.

One case was dealt with during the year under Section 66, Public Health Act, 1925, and suitable glasses were provided.

APPENDIX 1. BIRTHS.

	West Hartlepool	WARDS.								Inward Transfers	Outward Transfers
		North	West	Park	S.West	S. East	Central	N. East	Seaton		
Estimated population	68,730	9,365	7,603	8,329	10,306	9,029	10,271	7,816	5,315	—	—
No. of births	1,422	163	128	126	231	232	265	196	86	54	59
Birth rates	20·7	17·4	16·8	14·5	22·4	25·7	25·3	25·0	16·2	—	—
Percentage of total births	—	11·5	9·0	8·9	16·2	16·3	18·7	13·8	6.0	+3·8	—4·2

Note:—The ward population figures given above are estimated on the Census population for 1931.

BIRTH RATES.

YEAR.	West Hartlepool		England & Wales Birth Rate.
	No. of Births	Birth Rate.	
1922	1,853	26·4	20·6
1923	1,740	24 5	19·7
1924	1,670	23·3	18·8
1925	1,599	22·3	18·3
1926	1,587	22 3	17·8
1927	1,441	20·1	16·7
1928	1,509	21·6	16·7
1929	1,455	20·9	16·3
1930	1,528	22·0	16·3
1931	1,422	20·7	15·8

APPENDIX 2. NATURAL INCREASE OF POPULATION.

The natural increase of population was 449.

RATES PER 1,000 POPULATION.

1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
12·8	13·5	9·3	8·9	10·6	5·2	8·8	5·2	10·1	6·5

APPENDIX 3.—THE DEATHS AS THEY OCCURRED IN THE WARDS.

CAUSE OF DEATH	WARDS								Transferable deaths (Workhouse)	Other transferable deaths	Total
	North	West	Park	So West	So East	Central	N. East	Seaton			
Enteric Fever ...	...	...	...	...	...	...	...	...	...	2	2
Smallpox ...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	1	1	1	1	11	6	4	1	...	...	25
Scarlet Fever ...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	1	1	2	1	5	4	4	1	...	...	19
Diphtheria ...	...	...	...	1	...	...	...	...	...	1	2
Influenza ...	3	4	6	8	8	3	4	...	3	3	42
Encephalitis Lethargica ...	...	...	...	...	...	...	...	1	...	...	1
Meningococcal Meningitis ...	...	...	...	...	...	...	...	...	2	...	2
Tuberculosis of the Respiratory System ...	3	4	4	5	7	5	11	...	18	4	61
Other Tuberculous Diseases	...	...	...	2	2	3	1	2	7	...	17
Cancer, malignant disease ...	7	9	10	10	10	13	6	3	17	3	88
Rheumatic Fever ...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	1	1	1	...	...	...	1	...	2	1	7
Cerebral Hæmorrhage, &c ...	4	5	5	8	3	6	6	4	20	...	61
Heart Disease	11	18	22	21	11	20	8	16	19	11	157
Bronchitis	5	7	...	6	11	11	5	2	5	...	52
Pneumonia (all forms) ...	7	14	8	8	17	20	14	2	21	2	113
Other Respiratory Diseases...	2	2	...	6	2	6	1	...	7	1	27
Ulcer of Stomach or Duodenum ...	...	2	...	2	2	1	...	1	2	1	11
Diarrhœa, &c.... ...	2	1	...	...	3	4	...	...	4	...	14
Appendicitis and Typhlitis...	...	...	...	1	...	...	...	...	...	1	2
Cirrhosis of Liver ...	...	1	...	...	...	1	...	1	...	...	3
Acute and Chronic Nephritis	3	3	2	2	3	1	2	1	6	2	25
Puerperal Sepsis ...	...	...	...	...	...	...	...	...	...	...	...
Other accidents and diseases of parturition and pregnancy ...	1	...	...	...	...	1	...	...	2	...	4
Congenital debility and malformation, premature birth	4	4	1	7	6	11	6	1	13	...	53
Suicides	...	2	...	1	1	1	...	...	1	1	7
Other deaths from violence...	3	2	...	1	1	2	4	1	7	4	25
Other defined diseases ..	13	12	14	15	18	16	21	4	33	2	148
Causes ill-defined or unknown	...	...	...	1	2	...	1	...	1	...	5
TOTAL DEATHS ...	71	93	76	107	123	135	98	41	190	39	973

APPENDIX 4.—TABLE SHEWING CAUSES OF, AND AGES AT DEATH.

CAUSE OF DEATH.	Deaths at the subjoined ages of "Residents" whether occurring within or without the district.										Total Deaths whether of "Residents or Non-Residents" in Institutions in the District.	Increase or Decrease as compared with 1930.
	ALL AGES.	Under 1 year	1 and under 2	2 and under 5	5 and under 15	15 and under 25	25 and under 45	45 and under 65	65 and under 75	75 and upwards		
Enteric Fever ...	2	...	...	...	...	...	2	...	...	...	...	— 2
Smallpox	...	...	...	...	...	...	...	...	...	...	...	same
Measles	25	4	13	7	1	...	...	...	...	...	...	+ 19
Scarlet Fever... ...	...	...	...	...	...	...	...	...	...	...	...	— 1
Whooping Cough ...	19	9	5	4	1	...	...	...	...	...	...	+ 13
Diphtheria	2	...	...	...	2	...	...	...	...	...	...	— 6
Influenza	42	1	1	2	1	3	11	17	3	3	1	+ 36
Encephalitis Lethargica ...	1	...	...	...	...	...	...	1	...	...	...	— 1
Meningococcal Meningitis...	2	...	...	1	1	...	...	...	...	...	...	+ 1
Tuberculosis of the respiratory system ...	61	...	...	...	3	8	35	13	1	1	...	— 10
Other tuberculous diseases	17	2	1	4	4	4	2	...	...	...	2	— 5
Cancer, malignant disease...	88	...	...	...	...	2	7	49	24	6	8	— 7
Rheumatic Fever ...	...	...	...	...	...	...	...	...	...	...	...	— 2
Diabetes	7	...	...	...	1	1	1	1	3	...	...	— 2
Cerebral Hæmorrhage, &c.	61	...	...	...	...	...	2	19	26	14	...	+ 24
Heart Disease ...	157	...	...	...	5	5	52	49	45	2	...	— 3
Bronchitis	52	18	6	2	...	...	1	5	10	10	...	+ 24
Pneumonia (all forms) ...	113	21	16	15	7	1	14	26	10	3	...	+ 23
Other respiratory diseases	27	...	...	...	...	1	...	5	8	13	...	+ 20
Ulcer of stomach and duodenum ...	11	...	...	...	...	1	3	6	1	...	4	+ 7
Diarrhœa, &c. ...	14	6	2	3	...	1	2	...	...	...	1	+ 2
Appendicitis and Typhlitis	2	...	...	...	1	...	...	1	...	...	1	— 5
Cirrhosis of Liver ...	3	...	...	...	...	...	1	2	...	...	1	same
Acute and chronic Nephritis	25	...	...	...	...	...	2	11	6	6	...	+ 12
Puerperal Sepsis ...	...	...	...	...	...	...	...	...	...	...	...	— 2
Other accidents and diseases of pregnancy and parturition ...	4	...	...	...	...	2	2	...	...	...	2	same
Congenital debility and malformation, premature birth	53	52	...	...	1	...	...	...	...	...	3	+ 14
Suicides	7	...	...	...	...	2	1	4	...	...	...	— 1
Other deaths from violence	25	2	1	1	1	1	8	5	4	2	6	— 11
Other defined diseases ...	148	20	7	2	5	5	14	35	30	30	8	+ 10
Causes ill-defined or unknown	5	1	...	...	...	...	...	1	2	1	...	+ 2
TOTAL DEATHS ...	973	136	52	41	30	37	113	253	177	134	39	+149

APPENDIX 5.

WEEKLY RETURN OF DEATHS FROM CHEST DISEASES.

Week ending :

Disease.	1-3 Jan.	10th Jan	17th Jan.	24th Jan	31st Jan.	7th Feb.	14th Feb.	21st Feb.	28th Feb.	7th Mar.	14th Mar	21st Mar.	28th Mar.	4th Apl	11th Apl.	18th Apl.	25th Apl.	2nd May	9th May	16th May	23rd May	30th May	6th June	13th June	20th June	27th June	4th July
Whooping Cough	...	...	...	1	...	1	1	...	1	1	...	1	1	1	1	2	...	...	...	...	...	1	...	...	...	...	...
Influenza ...	...	...	...	...	1	2	4	4	5	6	8	1	1	1	1	2	...	...	...	...	...	...	...	...	...	...	...
Phthisis ...	...	4	2	...	...	2	1	1	1	...	2	3	...	6	3	1	...	3	2	1	...	1	...	...	...	...	...
Bronchitis ...	...	1	1	...	4	...	3	3	5	3	6	5	2	1	2	1	2	1	...	...	...	1	...	...	3	2	...
Pneumonia ...	...	2	2	3	2	4	7	5	12	6	6	6	2	5	2	6	...	1	...	2	1	4	1	2	...	3	...
Heart Disease	2	6	1	2	3	3	1	6	7	5	5	6	1	4	4	4	1	3	2	3	3	2	5	...	5	1	2
Other Respiratory Diseases ...	...	2	...	...	...	2	2	2	2	...	...	...	...	1	..	1	1	...	...	...	1	1	1	...	...	...	...
Totals ...	2	15	6	6	10	14	19	21	33	21	27	22	7	19	13	17	4	8	4	6	5	10	7	2	8	6	2

Week ending :

Disease.	11th July	18th July	25th July	1st Aug.	8th Aug.	15th Aug.	22nd Aug.	29th Aug.	5th Sept	12th Sept	19th Sept	26th Sept	3rd Oct.	10th Oct	17th Oct.	24th Oct.	31st Oct.	7th Nov.	14th Nov.	21st Nov.	28th Nov	5th Dec.	12th Dec.	19th Dec.	26th Dec.	27th 31st Dec.	Total.
Whooping Cough	1	1	...	...	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	1	19
Influenza ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	1	...	...	2	...	...	1	42
Phthisis ...	...	...	1	1	1	2	2	1	1	1	...	...	1	4	1	...	...	1	1	3	2	2	...	...	3	...	61
Bronchitis ...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	1	1	...	52
Pneumonia ...	...	...	1	1	2	1	1	...	1	...	...	1	...	1	1	1	3	2	2	4	3	...	1	1	1	1	113
Heart Disease	...	2	2	4	4	4	2	1	1	4	3	1	2	1	3	3	6	4	1	4	2	4	3	...	7	2	157
Other Respiratory Diseases ...	...	2	1	...	1	...	1	1	...	1	1	...	1	...	...	...	...	...	1	...	...	...	...	...	...	1	27
Totals ...	1	7	5	6	8	7	6	4	4	7	4	2	4	6	5	6	11	6	5	13	7	6	6	2	12	6	471

APPENDIX 6.—DEATHS.

	West Hartlepool.	WARDS								Transferable deaths.
		North	West	Park	S West	S East	Central	N East	Seaton	
Estimated population	68,730	9,365	7,603	8,329	10,306	9,029	10,271	7,816	5,315	—
No. of deaths	873	71	93	76	107	123	135	98	41	+ 229
Death rates	14·2	7·6	12·2	9·1	10·4	13·6	13·1	12·5	7·7	—
Percentage of total deaths	---	7·3	9·6	7·8	11·0	12·6	13·9	10·1	4·2	23·5

NOTE.—The Ward figures given above are estimated on the census population for 1931.

DEATH RATES.

Year.	West Hartlepool		England & Wales death rate
	No. of deaths.	Death rate.	
1921	979	14·1	12·1
1922	956	13·6	12·9
1923	780	10·9	11·6
1924	1,000	13·9	12·2
1925	960	13·4	12·2
1926	833	11·7	11·6
1927	1,070	14·9	12·3
1928	893	12·7	11·7
1929	1,089	15 6	13·4
1930	824	11 8	11·4
1931	973	14·2	12 3

APPENDIX 7.—TRANSFERABLE DEATHS.

Institution.	Males.	Females	Total
Howbeck Infirmary, West Hartlepool ...	125	65	190
Port Sanitary Hospital, Hartlepool... ...	—	2	2
Hartlepools Hospital, Hartlepool	2	2	4
Stockton and Thornaby Hospital	1	—	1
County Lunatic Asylum, Sedgefield ...	8	3	11
York County Asylum	1	3	4
Royal Victoria Infirmary, Newcastle-on-Tyne ...	5	—	5
Other areas	10	2	12
Totals	152	77	229

APPENDIX 8.

CANCER DEATHS.

Year	No. of deaths	Males	Females	Death rate	Deaths from all causes	Percentage of total deaths
1922	82	40	42	1·18	956	8·5
1923	67	30	37	·94	780	8·6
1924	79	46	33	1 1	1,000	7·9
1925	97	47	50	1·3	960	10·1
1926	69	34	35	·97	833	8·2
1927	90	39	51	1·26	1,070	8·4
1928	92	45	47	1·3	893	10·3
1929	104	48	56	1·48	1,089	9 5
1930	95	39	56	1·3	824	11·5
1931	88	41	47	1·28	973	9·1

APPENDIX 9.

CANCER DEATHS—PARTS OF BODY AFFECTED.

Parts affected — Age	Under 35		35 to 45		45 to 55		55 to 65		65 to 75		75 and up		Total	
Sex	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Peritoneum, Intestines and Rectum ...	...	...	1	...	1	...	...	3	4	1	1	...	7	4
Stomach, Liver, &c. ...	..	...	2	1	4	1	4	4	4	3	1	...	15	9
Reproductive Organs	...	1	...	..	...	4	...	7	1	2	...	...	1	14
Breast	...	1	...	...	...	4	...	2	...	2	...	2	...	11
Other Glands ...	...	...	1	...	1	...	3	...	4	2	1	...	10	2
Mouth	...	...	...	...	...	...	2	1	...	1	...	..	2	2
Bones	1	1	...	...	1	1	...	...	...	...	...	...	2	2
Other Parts ...	...	...	...	...	2	1	1	1	1	...	...	1	4	3
Totals ...	1	3	4	1	9	11	10	18	14	11	3	3	41	47

The deaths were ascribed to :—

	No. of deaths
Carcinoma	57
Sarcoma	9
Epithelioma	...
Cancer (no classification)	22
Total ...	88

APPENDIX 10.—INFANTILE MORTALITY RATES.

Year	West Hartlepool.			England & Wales Rate
	Births	Deaths.	Rate	
1922	1,853	186	100	77
1923	1,740	160	91	69
1924	1,670	147	88	75
1925	1,599	163	101	75
1926	1,587	118	74	70
1927	1,441	142	98	69
1928	1,509	109	71	65
1929	1,455	166	114	74
1930	1,528	83	54	60
1931	1,422	136	96	66

APPENDIX 11.—INFANT MORTALITY IN THE WARDS.

DISEASE.	North	West	Park	S. West	S. East	Central	N. East	Seaton	Deaths in Workhouse	Other transferable deaths	Total
Measles ...	...	...	...	1	1	...	2	...	...	...	4
Whooping Cough	...	1	1	1	2	3	1	...	...	...	9
Bronchitis ...	1	...	...	...	7	7	3	...	...	...	18
Pneumonia ...	1	6	...	2	3	3	5	...	1	...	21
Malformations ...	...	...	...	...	...	1	...	...	...	...	1
Debility ...	1	...	...	1	1	2	1	1	1	...	8
Marasmus ...	...	...	...	...	1	3	4	...	6	...	14
Premature Births	3	2	1	6	4	4	1	...	5	...	26
Convulsions ...	1	1	...	3	6	1	1	...	...	...	13
Diarrhœa and Enteritis ...	...	1	...	...	...	2	...	...	3	...	5
Tuberculosis ...	...	...	...	...	...	...	...	2	...	...	2
All other causes	1	2	...	1	3	3	3	1	...	...	14
Total ...	8	13	2	15	28	29	21	4	16	...	136

APPENDIX 12. MARRIAGES.

Year	Number of marriages	Marriage rate
1922	583	16.6
1923	543	15.3
1924	561	15.8
1225	539	15.05
1926	632	17.7
1927	563	15.7
1928	562	16.1
1929	644	18.6
1930	639	18.5
1931	573	16.8

APPENDIX 13.—INFANT MORTALITY DURING THE YEAR.

Deaths from stated causes at various ages under 1 year of age.

CAUSE OF DEATH.	Under 1 week	1—2 weeks	2—3 weeks	3—4 weeks	Total under 4 weeks	1 month & under 3 months	3—6 months	6—9 months	9—12 months	Total deaths under 1 year
Measles	...	...	...	...	...	...	...	...	4	4
Whooping Cough ...	...	...	...	...	...	...	3	2	4	9
Bronchitis	...	...	1	2	3	6	3	2	4	18
Pneumonia	1	...	...	...	1	2	9	6	3	21
Malformations	...	...	1	...	1	...	...	...	...	1
Debility	6	...	...	...	6	2	...	...	...	8
Marasmus	2	1	...	...	3	8	3	...	...	14
Premature Births ...	17	6	3	...	26	...	...	...	...	26
Convulsions	3	1	1	1	6	2	2	2	1	13
Diarrhœa and Enteritis ...	1	...	...	1	2	...	3	1	...	6
Tuberculosis	...	...	...	...	...	...	2	...	...	2
Heart Disease	1	...	...	...	1	...	...	...	...	1
Violence	1	...	...	...	1	1	...	...	...	2
All Other Causes ...	3	...	1	...	4	2	3	1	1	11
Totals	35	8	7	4	54	23	28	14	17	136
All Causes — Certified	32	8	7	4	51	21	28	13	17	130
All Causes — Uncertified ...	3	—	—	—	3	2	—	1	—	6

APPENDIX 14.

Midwives Act, 1902.

MIDWIVES ON ROLL, 1931.

53585	13th April, 1921	Mrs. D. Barlow,	4, Jesmond Road.
56187	11th February, 1922	Mrs. I. Batey,	24, Bright Street.
75633	25th May, 1929	Miss M. Colling,	Grantully Maternity Home.
63578	14th June, 1924	Miss A. Cooke,	116, Alma Street.
39605	21st February, 1914	Mrs. M. G. Craven,	67, South Parade.
46066	11th August, 1917	Miss H. M. Grainger,	"Amalinda," Windermere Road.
68996	29th April, 1926	Miss A. M. E. Hope,	Grantully Maternity Home.
72784	25th February, 1928	Mrs. H. E. Hutchinson,	23, Studley Road.
67863	31st December 1928	Mrs. O. Kay,	18 South Scarbrough Street.
63984	9th August, 1924	Miss E. King,	51, Tower Street.
77137	23rd November, 1929	Miss N. E. Maher,	Grantully Maternity Home
63519	14th June, 1924	Mrs. M. A. Mitchell,	21, Harwood Street.
69658	14th August, 1926	Mrs. C. F. Montgomerie,	51 Collingwood Rd.
41864	20th February, 1915	Miss A. Nixon,	Nursing Home, Eldon Grove.
70171	16th December, 1926	Miss M. Peart,	191, Alma Street.
67935	12th December, 1925	Mrs. B. Phillips,	39, Stockton Road.
74766	24th November, 1928	Mrs. W. Pickering,	60, Beechwood Road.
34761	28th October, 1911	Mrs. A. E. Skeen,	14, Stranton Terrace.
5581 Scotland 77429 England	21st August, 1923	Miss J. Wight,	Grantully Maternity Home.
58166	9th August, 1922	Miss G. M. Wilkinson,	Grantully Maternity Home.

APPENDIX 15.

PUBLIC ABATTOIR.

Animals Slaughtered at Abattoir.

Year	Beasts	Sheep.	Calves	Pigs	Total
1922	2986	9371	239	5868	18,464
1923	2924	8165	401	5186	16,676
1924	3074	8195	338	7054	18,661
1925	3340	8665	331	7694	20,030
1926	3245	9302	277	5237	18,061
1927	3333	10984	305	5917	20,539
1928	3518	11028	452	7636	22,634
1929	3670	9919	481	7089	21,159
1930	3719	9925	425	5520	19,589
1931	3463	9454	318	6469	19,704

APPENDIX 16.

PUBLIC ABATTOIR.

Tuberculosis in Animals Slaughtered at Abattoir.

Animal.	No. totally condemned	No. partially condemned.
Cows	16 ...	28
Heifers and Bullocks ...	5 ...	46
Pigs	3 ...	4

APPENDIX 17.

Carcases Destroyed for Diseases other than Tuberculosis.

BEEF		MUTTON		PORK	
Disease.	No.	Disease.	No.	Disease.	No.
Found Dead ...	2	Found Dead ...	1	Fevered Flesh ...	1
				Swine Fever ...	2
				Jaundice ...	1
				Found Suffocated	1
Total ...	2	Total ...	1	Total ...	5

APPENDIX 18.

Organs and Parts of Carcases Destroyed for Diseases other than Tuberculosis.

Diseases	Part of carcase & all offal	Part of carcase and part of offal	Livers	Lungs	Udders	Heart
Mammitis	...	...	...	...	16	...
Flukes	...	...	373	3	...	...
Cysts	...	...	25	6	...	...
Inflammation	...	2	57	19	...	...
Abscesses	1	...	20	...	...	...
Pleurisy	...	1	...	4	...	...
Pericarditis	...	...	...	...	...	1
Calcined Udders	...	...	...	...	1	...
Decomposition	...	...	...	2	...	...
Totals	1	3	475	34	17	1

APPENDIX 20.

FOOD SURRENDERED AND DESTROYED.

24½ lbs. Sultanas.

14 lb. tin Liquid Eggs.

82 lbs. Chilled Beef.

2 tins Livers.

6 lb. Tongue.

APPENDIX 19.

SALE OF FOOD AND DRUGS ACTS—ADULTERATED SAMPLES—ACTION TAKEN.

Article Purchased	Number Analysed	Formal Samples	Informal Samples	Number Genuine	Number Adulterated	No. of Samples	Nature of Adulteration.	Remarks and Action Taken
Milk	66	64	2	49	17	735	Dirty milk (dirt 52 parts per million ...	Farmer cautioned. Medical Officer of Health of the district notified.
						736	Dirty milk (dirt 24 parts per million ...	
						741	Slightly below standard in fat	No action taken
						742	Slightly below standard in non-fatty solids ...	do.
						798	Below standard in non-fatty solids	Vendor cautioned
						818	Below standard in non-fatty solds	No action taken
						819	Below standard in fat	do.
						823	Below standard in non-fatty solids, but containing	do.
						824	high proportion of fat	do.
						826	Below standard in fat	do.
						827	Below standard in non-fatty solids	do.
						828	Below standard in non-fatty solids, but containing high proportion of fat	do.
						841	Below standard in non-fatty solids	do.
						843	Below standard in non-fatty solids	do.
						846	Below standard in non-fatty solids	do.
						851	Below standard in non-fatty solids	do.
						870	Below standard in non-fatty solids	Letter of caution to farmer.
Condensed Milk	1	...	1	1	...	...	... ...	...
Sweets	5	...	5	5	...	...	... ...	...
Gregory Powder	3	...	3	3	...	...	... ...	...
Vinegar...	1	1	...	1	...	...	... ...	...
Lard	4	1	3	4	...	...	... ...	...
Tea	3	1	2	3	...	...	.. ..	...
Cough Sweets	1	1	...	1	...	...	... ...	...
Cough Tablets	1	...	1	1	...	...	... ...	...
Gentian Root	4	1	3	2	2	754	Not of the nature nor of the quality of genuine	Formal sample 761 taken
						761	Gentian Root	Vendor cautioned.
Camphorated Oil	2	2	...	2	...	...	... ...	...
Chocolate Biscuits ...	2	...	2	2	...	...	... ...	...
Custard Powder	1	...	1	1	...	...	... ...	...
Bread and Butter... ...	5	1	4	3	2	860	Not of the nature and not of the quality of bread and butter (margarine fat 100%... ...	Formal sample No. 871 taken.
Butter	17	6	11	13	1	871	Deficieney of butter fat 69%)	No action taken.
Mustard	2	1	1	2	...	853	Not genuine butter	Formal sample taken.
Raspberry Jam	1	1	...	1	...	...	... ...	...
Cream	7	2	5	7	...	...	... ...	...
Ground White Pepper ...	1	...	1	1	...	...	... ...	...
Tinned Peas	2	...	2	2	...	...	... ...	...
Honey	2	...	2	2	...	...	... ...	...
Pepper	2	...	2	2	...	...	... ...	...
Beef Sausage	2	2	...	2	...	...	... ...	...
Coffee	1	...	1	1	...	...	... ...	...
Sausage Meal	1	...	1	1	...	...	... ...	...
Aspirin Tablets	1	...	1	1	...	...	... ...	...
Ground Rice	1	...	1	1	...	...	... ...	...
Toffee	1	...	1	1	...	...	... ...	...
Brandy	2	2	...	2	...	...	... ...	...
Vinegar Essence	1	...	1	1	...	...	... ...	...
Whisky	2	2	...	2	...	...	... ...	...
Rum	5	4	1	5	...	...	... ...	...
Gin	2	2	...	2	...	..	... ...	...

NOTIFIED CASES OF INFECTIOUS DISEASES, 1912—1931.

Disease.	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Smallpox	2	...	...	...	...	...	...	...	...	...	...	...	...	35	11	4	1	...	...	...
Chickenpox	...	...	...	...	...	...	...	...	...	...	...	...	...	252*a*	117*b*	394	674	339	78*d*	...
Scarlet Fever	151	330	146	78	61	32	117	506	213	142	96	167	327	254	242	138	136	95	130	164
Diphtheria (including Membraneous Croup ...	92	69	29	43	37	25	32	31	55	39	20	37	43	41	52	97	108	140	160	48
Erysipelas	26	35	44	35	18	23	31	30	23	19	20	18	27	27	26	19	31	31	42	28
Enteric Fever	15	7	16	11	9	1	7	4	5	8	3	5	8	2	...	4	1	39	25	17
Puerperal Fever... ...	2	1	3	1	4	4	4	7	8	6	10	9	5	5	3	3	4	4	1	1
Puerperal Pyrexia ...	...	...	...	...	...	...	..	...	...	...	...	...	...	...	11	17	19	10	11	7
Cerebro-Spinal Meningitis ...	...	...	1	...	6	3	3	7	2	1	...	...	...	1	...	...	...	...	...	2
Poliomyelitis	...	...	...	1	...	....	...	2	1	...	2	3	...	...	...	...	1	2	...	...
Pulmonary Tuberculosis ...	164	211	112	127	104	134	175	118	91	130	104	100	82	89	104	113	99	81	105	100
Other Forms of Tuberculosis	...	152	85	79	103	117	87	51	77	64	65	64	47	70	97	68	83	81	73	67
Ophthalmia Neonatorum ...	...	7	25	21	42	35	41	49	62	28	39	24	19	14	22	11	22	17	10	14
Measles	...	...	...	...	39	1694	1835	308	*c*	*c*	*c*	*c*	*c*	*c*	*c*	*c*	*c*	*c*	*c*	...
Encephalitis Lethargica ...	...	...	...	...	...	...	...	2	...	...	...	...	5	1	2	2	1	3	2	1
Polioencephalitis ...	...	...	...	...	...	...	...	2	3	...	...	...	...	...	...	...	...	...	...	...
Dysentery ...	...	...	...	...	...	...	...	3	2	...	...	1	...	...	...	...	1	1	...	...
Malaria	...	...	...	...	...	...	...	45	3	...	...	...	...	...	...	...	1	...	...	1
Pneumonia	...	...	...	...	...	...	...	117	156	115	133	110	257	219	88	319	268	302	181	218
Acute Encephalitis ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Totals ...	452	812	461	396	423	2068	2332	1282	701	552	492	538	820	1005	775	1189	1450	1145	818	668

a—Notifiable for 6 months of year. *b*—Notifiable from 29-9-26. *c*—No longer notifiable. *d*—Notifiable for 3 months of year.

APPENDIX 22.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES—NOTIFIED CASES, 1931

DISEASE.	Cases notified in whole district.													Ward distribution of cases.								No of cases removed to Hospital	Total deaths in the Borough
	At all ages	At age groups—years.																					
		Under 1	1 to 2	2 to 3	3 to 4	4 to 5	5 to 10	10 to 15	15 to 20	20 to 35	35 to 45	45 to 65	65 and Up	N'th	West	Park	S West	S East	Central	N East	Seaton		
Scarlet Fever ...	164	2	3	6	13	15	77	29	8	8	3	...	...	17	27	22	38	22	9	13	16	114	...
Enteric Fever ...	17	...	...	...	...	3	2	2	...	5	4	1	...	...	1	3	...	2	7	4	...	11	2
Diphtheria	48	1	...	3	3	3	18	7	5	7	1	...	...	4	4	6	11	5	9	4	5	34	2
Puerperal Fever ...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...
Puerperal Pyrexia ...	7	...	...	...	...	...	...	...	...	6	1	...	...	...	2	...	2	...	2	...	1	1	...
Pneumonia	218	12	23	12	12	11	26	6	8	28	24	45	11	18	21	25	32	61	33	17	11	9	113
Erysipelas	28	...	1	...	...	1	...	1	...	10	4	9	2	3	4	1	2	2	9	2	5	3	...
Ophthalmia Neonatorum	14	14	...	...	...	...	...	...	...	...	...	...	...	1	2	2	2	...	2	5	...	2	1
Encephalitis Lethargica	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1
Acute Encephalitis ...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	1
Cerebro-spinal Fever ...	2	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	1	1	...	...	2	2
Malaria	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...
Pulmonary Tuberculosis	100	...	1	...	...	...	5	4	9	41	14	24	2	9	6	6	19	16	18	22	4	47	61
Non-Pulmonary Tuberculosis	67	3	3	6	2	4	18	15	7	8	1	...	...	5	4	1	12	9	13	14	9	67	17
Totals... ...	668	32	31	28	30	37	146	66	37	115	52	80	15	57	72	66	118	119	104	82	51	176	122

APPENDIX 23.—NOTIFIABLE DISEASES DURING THE YEAR. HOSPITAL TREATMENT.

DISEASE.	Total Cases notified.	No. of such cases admitted to hospital.	Total deaths.
Scarlet Fever	164	114	...
Diphtheria	48	34	2
Enteric Fever	17	11	2
Puerperal Fever	1	...	...
Puerperal Pyrexia	7	1	...
Pneumonia	218	9	113
Erysipelas	28	3	...
Ophthalmia Neonatorum	14	2	1
Encephalitis Lethargica	1	...	1
Acute Encephalitis	1	...	1
Cerebro-spinal Fever	2	2	2
Malaria	1	...	...

DISEASE.	HOSPITAL.			Total
	Cameron Hospital	Howbeck Infirm'ry	Port Sanitary Hospital	
Scarlet Fever	...	...	114	114
Diphtheria	...	...	34	34
Enteric Fever	...	...	11	11
Puerperal Pyrexia	...	1	...	1
Pneumonia	2	7	...	9
Erysipelas	...	...	3	3
Ophthalmia Neonatorum	...	2	...	2
Cerebro-spinal Fever	...	2	...	2
Total ...	2	12	162	176

Disease	Cases			Vision un-impaired	Vision impaired	Total blind-ness	Deaths
	Notified	Treated					
		At home	Hospital				
Ophthalmia Neonatorum...	14	12	2	13	...	...	1

APPENDIX 24.

ALL NOTIFIED CASES OF TUBERCULOSIS, 1931.

AGES.	Lungs			Abdomen.			Meninges			Joints			Spine			Other Organs			Disseminated			All Forms		
	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total	Males	Females	Total
Under 1 year	...	...	...	1	...	1	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	2	1	3
1 and under 2	1	...	1	...	...	...	1	...	1	1	1	2	...	...	...	...	...	...	...	...	...	3	1	4
2—3	...	...	...	2	...	2	1	...	1	1	1	2	...	...	...	1	...	1	...	...	...	5	1	6
3—4	...	...	...	...	...	...	...	...	...	...	1	1	...	...	...	1	...	1	...	...	...	1	1	2
4—5	...	...	...	2	...	2	1	...	1	...	1	1	...	...	...	...	...	...	...	...	...	3	1	4
5—10	1	4	5	6	1	7	1	1	2	1	1	2	...	...	...	5	3	8	...	...	...	14	10	24
10—15	2	2	4	2	4	6	...	...	...	1	...	1	...	...	...	2	6	8	...	...	...	7	12	19
15—20	5	4	9	1	1	2	1	...	1	2	...	2	1	1	2	...	...	...	...	...	...	10	6	16
20—25	9	13	22	1	...	1	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	11	13	24
25—35	7	12	19	2	2	4	...	...	...	1	...	1	...	...	...	...	1	1	...	...	...	10	15	25
35—45	9	5	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	9	5	14
45—55	13	4	17	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	4	17
55—65	7	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	7	...	7
Over 65	1	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	1	2
Totals	55	45	100	17	8	25	6	2	8	7	5	12	2	1	3	9	10	19	...	...	...	96	71	167

APPENDIX 25.

TUBERCULOSIS—New cases and mortality during 1931.

AGE PERIODS.	NEW CASES.				DEATHS.			
	Pulmonary.		Non-Pulmonary		Pulmonary.		Non-Pulmonary.	
	M	F	M	F	M	F	M	F
0	—	—	2	1	—	—	1	1
1 year ...	1	—	11	4	—	—	4	—
5 years ...	1	4	13	6	—	1	2	2
10 ,, ...	2	2	5	10	1	3	—	—
15 ,, ...	5	4	5	2	2	—	3	1
20 ,, ...	9	13	2	—	5	4	1	—
25 ,, ...	7	12	3	3	4	10	1	—
35 ,, ...	9	5	—	—	11	6	1	—
45 ,, ...	13	4	—	—	8	3	—	—
55 ,, ...	7	—	—	—	1	—	—	—
65 ,, and upwards	1	1	—	—	1	1	—	—
Totals ...	55	45	41	26	33	28	13	4

APPENDIX 26.

TUBERCULOSIS—No. of cases on register, on the 31st December, 1931.

PULMONARY.			NON-PULMONARY.			TOTAL CASES.
Males.	Females.	Total.	Males.	Females.	Total.	
121	110	231	140	141	281	512

APPENDIX 27.

DEATHS FROM TUBERCULOSIS.

Interval between Notification and Death.

Period	Parts Affected.					Total.
	Lungs.	Bones.	Meninges.	General.	Abdominal.	
Not notified ...	5	1	...	1	...	7
0—1 week ...	6	...	7	...	1	14
1—4 weeks ...	5	1	1	...	1	8
1—3 months ...	10	...	...	...	1	11
3—6 months ...	8	...	...	...	...	8
6—12 months ...	3	1	...	...	1	5
1—2 years ...	11	...	...	1	...	12
2—5 years ...	7	...	...	...	...	7
Over 5 years ...	6	...	...	...	...	6
Totals ...	61	3	8	2	4	78

APPENDIX 28.

BIRTH RATE, DEATH RATE AND ANALYSIS OF MORTALITY DURING 1931

	Rate per 1,000 Total Population.		Annual Death Rate per 1,000 Population.									Rate per 1,000 Live Births		Percentage of Total Deaths.			
	Live Births.	Still-Births.	All Causes.	Enteric Fever.	Smallpox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria.	Influenza.	Violence.	Diarrhoea and Enteritis (under 2 years).	Total Deaths under 1 year.	Certified by Registered Medical Practitioners.	Inquest Cases.	Certified by Coroner after P.M. no inquest	Uncertified Causes of Death.
England and Wales	15·8	0·67	12·3	0·01	0·00	0·08	0·01	0·06	0·07	0·36	0·54	6·0	66	91·18	6.17	1·70	0·95
107 County Boroughs and Great Towns, including London	16·0	0·67	12·3	0·00	0·00	0·10	0 01	0 07	0·08	0·33	0 48	8·4	71	91·43	5 84	2·24	0·49
159 Smaller Towns (1921 adjusted populations, 20,000—50,000) ...	15·6	0·73	11·3	0·00	0·00	0·07	0·01	0 05	0·05	0·36	0·43	4·0	62	92·17	5.49	1.25	1·09
London	15·0	0·50	12·4	0·01	0·00	0·03	0·02	0·07	0·06	0·26	0·57	9·7	65	89·52	6.23	4·24	0·01
West Hartlepool ...	20·7	0.71	14·2	0·03	0·00	0·36	0·00	0·27	0·03	0·61	0·47	1·4	96	92·70	3.90	0·72	2·77

APPENDIX 29.

Annual Report of the Medical Officer of Health for the year 1931 for the County Borough of West Hartlepool, on the administration of the Factory and Workshop Act, 1901, in connection with

FACTORIES WORKSHOPS AND WORKPLACES.

1.—Inspection of Factories, Workshops and Workplaces.

Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.

Premises. (1)	Number of Inspections (2)	Number of Written notices (3)	Number of Prosecutions (4)
Factories ... ... Including factory laundries	41	9	.....
Workshops ... ... Including workshop laundries	86	23	.....
Workplaces ... ... Other than Outworkers premises	1	1	.....
Totals	108	33	.....

2.—Defects found in Factories, Workshops and Workplaces.

Particulars. (1)	Number of defects: Found (2)	Remedied (3)	Referred to H.M. Inspector (4)	Number of offences in respect to which prosecutions were instituted (5)
Nuisances under the Public Health Acts:—				
Want of cleanliness	15	15	...	...
Want of ventilation	...	...	...	...
Overcrowding	...	...	...	...
Want of drainage of floors	...	...	...	...
Other nuisances	11	11	...	...
Sanitary Accommodation: Insufficient ...	4	4	...	...
Sanitary Accommodation: Unsuitable or defective	4	4	...	...
Sanitary Accommodation: Not separate for sexes	4	3	...	...
				...
Offences under the Factory and Workshop Acts:—				
Illegal occupation of underground bakehouse (s. 101)	...	...	...	
				...
Other offences ... ... Excluding offences relating to outwork and offences under the sections mentioned in the schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921	2	2	1	...
Totals	40	39†	1	...

* Including those specified in sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

†1 defect not remedied. Premises vacated.